Informazioni su questa macchina

About This Machine

Systemüberblick

A propos de cette machine

Acerca de esta máquina

d-COLOR MF/ /2
d-COLOR MF252/d-COLOR MF032
d-COLOR MF452/d-COLOR MF552

Code: 5715-3

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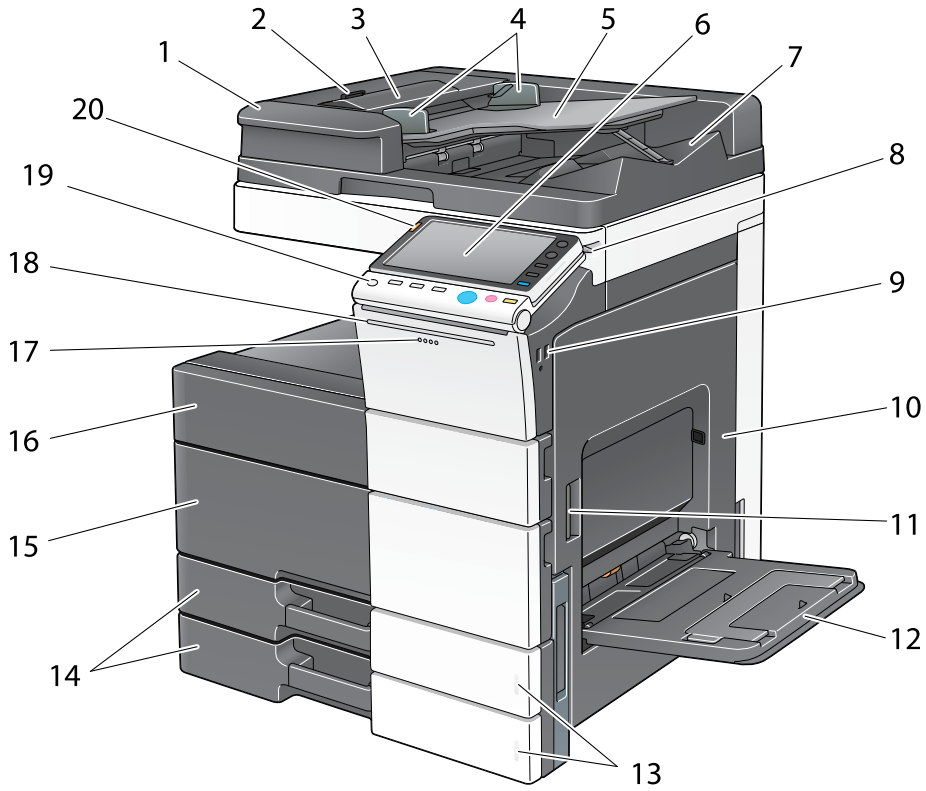
1 Checking the Name and Function of Each Part in This Machine (d-Color MF 552/452)

1 Checking the Name and Function of Each Part in This Machine (d-Color MF 552/452)

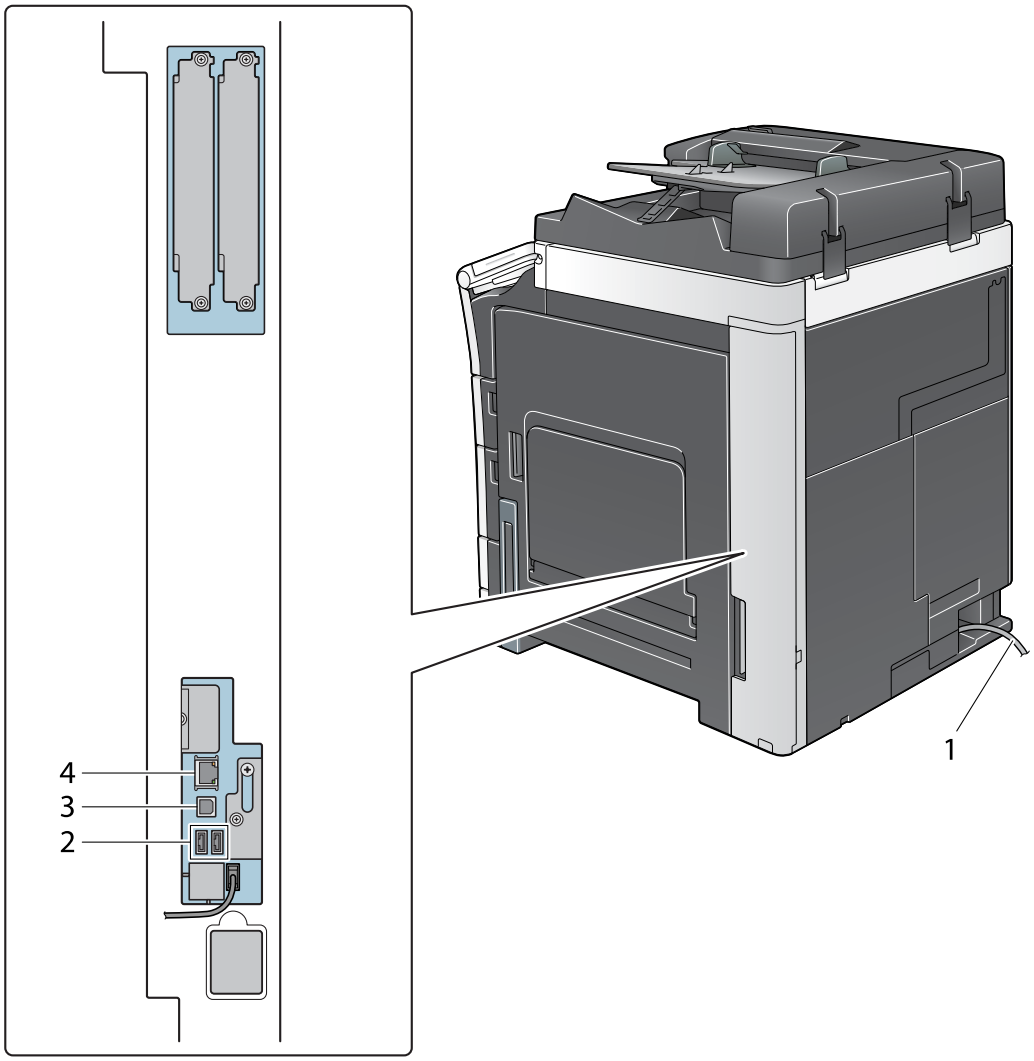
Front side



No.	Name	Description
1	**Dual Scan Document Feeder**	Automatically feeds and scans originals by page. This unit scans a 2-sided original by only requiring the paper be fed into the machine once without reversing. This unit is referred to as **ADF** in the manual.
2	**Left Cover Release Lever**	Used to open the **Left Cover**.
3	**Left Cover**	Open the **Left Cover** when clearing a paper jam.
4	**Lateral Guide**	Adjust this guide along the width of the original.
5	**Original Tray**	Load the original face up in this tray. Open the **Original Tray** when clearing a paper jam in the **ADF**.
6	**Control Panel**	Used to configure various settings in this machine.
7	**Original Output Tray**	The scanned original is fed out onto this tray.
8	**Stylus Pen**	Used to select a menu on the **Touch Panel**, or enter characters.
9	**USB Port (Type A) USB2.0/1.1**	Used to connect an external memory unit (USB memory unit) to this machine.
10	**Right Door**	Open this door to clear a paper jam.
11	**Right Door Release Lever**	Used to lock the **Right Door**.

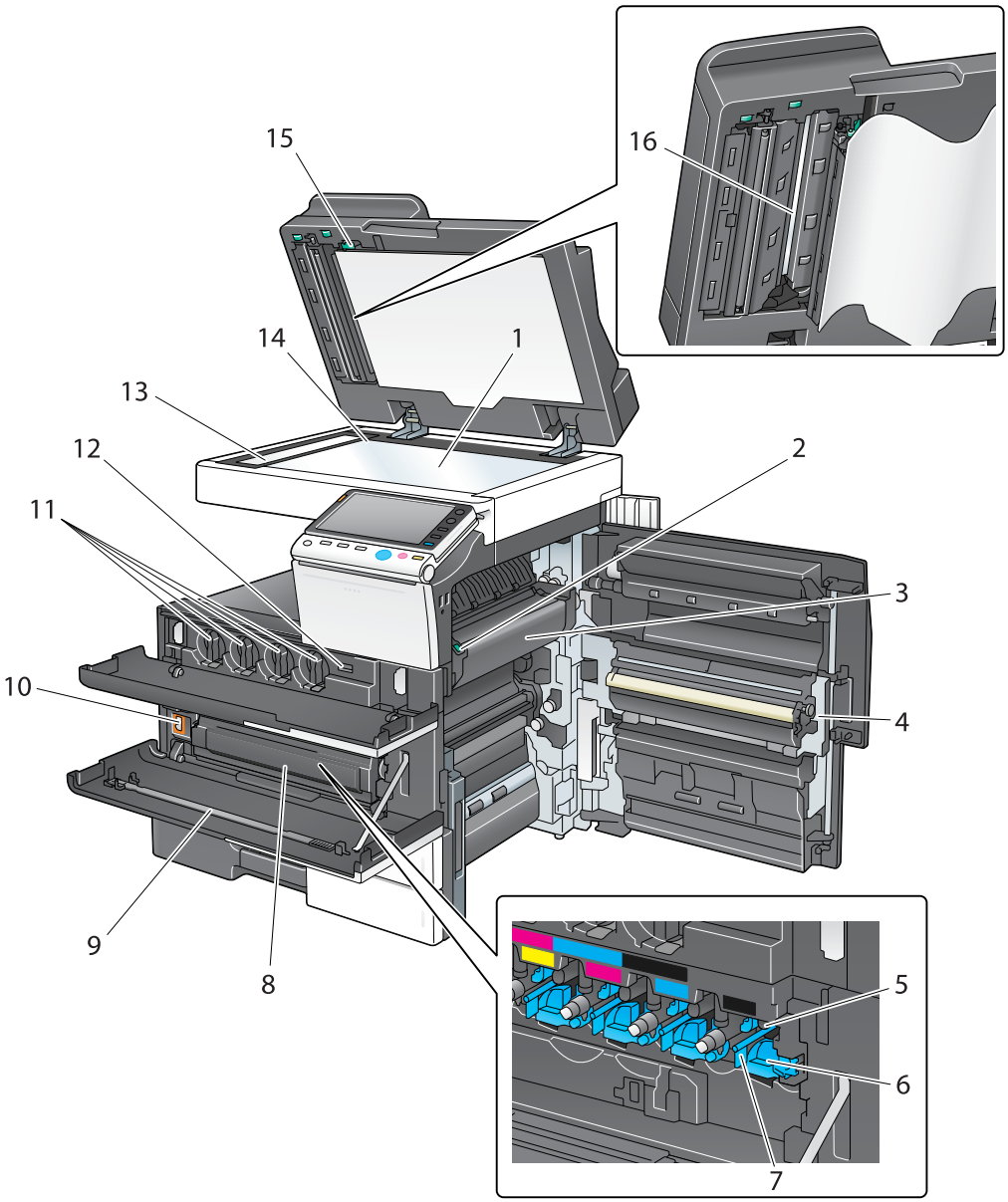
No.	Name	Description
12	**Bypass Tray**	Use this tray to print or copy on irregularly size paper, transparencies, postcards (4 × 6 (A6 Card)), envelopes, or label sheets. The Bypass Tray can hold up to 150 sheets of plain paper, 20 sheets of Thick 1, 20 sheets of Thick 1+, 20 sheets of Thick 2, 20 sheets of Thick 3, 20 sheets of Thick 4, 20 sheets of transparency, 20 sheets of postcards (4 × 6 (A6 Card)), label sheets, or index paper, and 10 sheets of envelopes or banner paper.
13	**Paper-Empty Indicator**	Flashes in orange when a tray runs low on paper, and lights up when a paper-out occurs.
14	**Tray1**, **Tray2**	Allows you to load up to 500 sheets. These trays can hold up to 150 sheets respectively of Thick 1, Thick 1+, Thick 2, and Thick 3.
15	**Lower Front Door**	Open this door to replace the **Waste Toner Box** or **Imaging Unit**, and to clean the **Print Head Glass**.
16	**Upper Front Door**	Open this door to replace a **Toner Cartridge**.
17	**Data Indicator**	Flashes in blue while this machine is receiving a job. If a job is currently spooled, this indicator lamp lights up blue.
18	**Status Indicator** (Printing indicator)	Flashes in white during normal printing.
19	**Power** key	Press this key to switch to Power Save mode. When the power is turned off, the machine is placed into the power save mode, and the LED of the **Power** key lights orange.
20	**Status Indicator** (Warning or stop indicator)	Indicates the status of this machine by flashing or lighting up. Flash in orange: Warning Lights up orange: The machine has stopped.

Rear side



No.	Name	Description
1	**Power Cord**	Used to supply power to this machine.
2	**USB Port (Type A) USB2.0/1.1**	Used to connect **Authentication Unit AU-102** or **Authentication Unit AU-201**.
3	**USB Port (Type B) USB2.0/1.1**	Connect to this port when using this machine as a USB-connected printer.
4	**Network Connector (10Base-T/100Base-TX/1000Base-T)**	Connect to this port when using this machine as a network printer or network scanner.

Inside



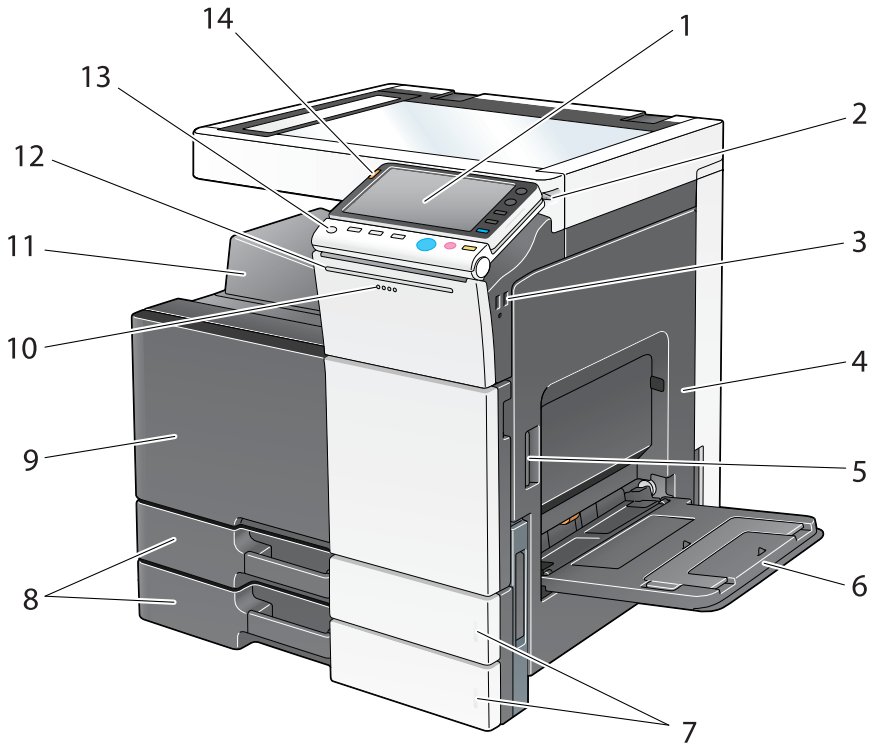
No.	Name	Description
1	**Original Glass**	Used to load the original.
2	**Fusing Unit Cover Lever**	Open this lever when clearing a paper jam in the fusing unit.
3	**Fusing Unit**	Used to fuse toner to paper using heat and pressure.
4	**Auto Duplex Unit**	Used to reverse paper when performing 2-sided printing.
5	**Drum Unit**	Used to create a print image.
6	**Lock Release Tab**	Used to remove the **Drum Unit**.
7	**Charger Cleaner**	Used to clean the **Electrostatic Charger Wire** when an image error occurs.
8	**Waste Toner Box**	Used to collect used waste toners.
9	**Printhead Cleaner**	Used to clean the surface of the **Print Head Glass** when the **Drum Unit** is being replaced.

No.	Name	Description
10	**Main Power Switch**	Press this switch to turn the machine on or off.
11	**Toner Cartridge**	This machine provides **Toner Cartridge** in four colors: cyan (C), magenta (M), yellow (Y), and black (K). A full-color image is created by combining the four toner colors.
12	**Total Counter**	Counter the number of printed pages to date.
13	**Slit Scan Glass**	Used to scan an original image when using the **ADF**.
14	**Original Scale**	Load the original along this scale. This scale is also used to measure the size of the loaded original.
15	**Opening and Closing Guide**	Lever that locks the guide to scan the back side of an original. Open this guide when clearing a paper jam or cleaning the **Slit Scan Glass (back)**.
16	**Slit Scan Glass (back)**	Used to scan the back side of an original when using the **ADF**.

2 Checking the Name and Function of Each Part in This Machine (d-Color MF 362/282/222)

2 Checking the Name and Function of Each Part in This Machine (d-Color MF 362/282/222)

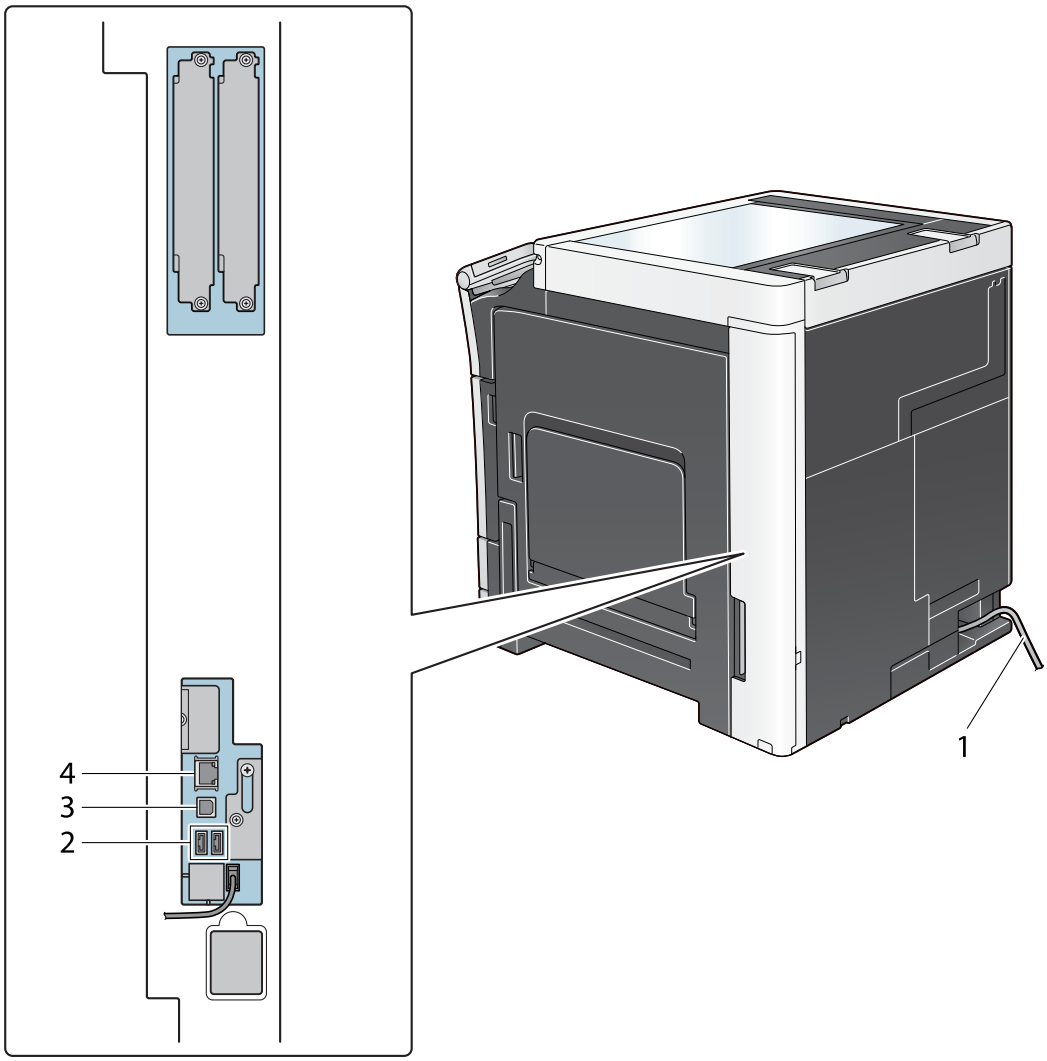
Front side



No.	Name	Description
1	**Control Panel**	Used to configure various settings in this machine.
2	**Stylus Pen**	Used to select a menu on the **Touch Panel**, or enter characters.
3	**USB Port (Type A) USB2.0/1.1**	Used to connect an external memory unit (USB memory unit) to this machine.
4	**Right Door**	Open this door to clear a paper jam.
5	**Right Door Release Lever**	Used to lock the **Right Door**.
6	**Bypass Tray**	Use this tray to print or copy on irregularly size paper, transparencies, postcards (4 × 6 (A6 Card)), envelopes, or label sheets. The Bypass Tray can hold up to 150 sheets of plain paper, 20 sheets of Thick 1, 20 sheets of Thick 1+, 20 sheets of Thick 2, 20 sheets of Thick 3, 20 sheets of Thick 4, 20 sheets of transparency, 20 sheets of postcards (4 × 6 (A6 Card)), label sheets, or index paper, and 10 sheets of envelopes or banner paper.
7	**Paper-Empty Indicator**	Flashes in orange when a tray runs low on paper, and lights up when a paper-out occurs.
8	**Tray1**, **Tray2**	Allows you to load up to 500 sheets. These trays can hold up to 150 sheets respectively of Thick 1, Thick 1+, Thick 2, and Thick 3.
9	**Front Door**	Open this door to replace the **Toner Cartridge**, **Waste Toner Box**, or **Drum Unit**, and to clean the **Print Head Glass**.

No.	Name	Description
10	**Data Indicator**	Flashes in blue while this machine is receiving a job. If a job is currently spooled, this indicator lamp lights up blue.
11	**Output Tray**	Collects printed pages.
12	**Status Indicator** (Printing indicator)	Flashes in white during normal printing.
13	**Power** key	Press this key to switch to Power Save mode. When the power is turned off, the machine is placed into the power save mode, and the LED of the **Power** key lights orange.
14	**Status Indicator** (Warning or stop indicator)	Indicates the status of this machine by flashing or lighting up. Flash in orange: Warning Lights up orange: The machine has stopped.

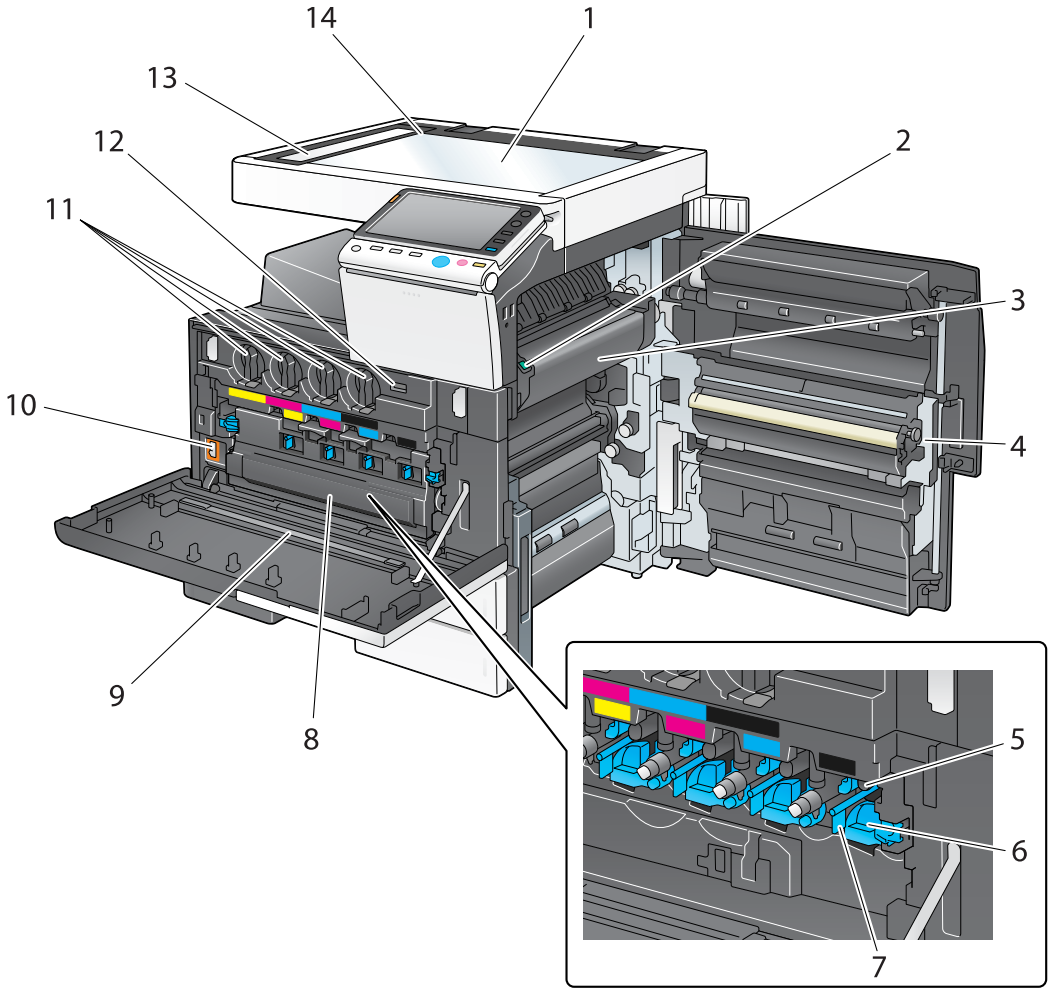
Rear side



No.	Name	Description
1	**Power Code**	Used to supply power to this machine.
2	**USB Port (Type A) USB2.0/1.1**	Used to connect **Authentication Unit AU-102** or **Authentication Unit AU-201**.
3	**USB Port (Type B) USB2.0/1.1**	Connect to this port when using this machine as a USB-connected printer.

No.	Name	Description
4	**Network Connector (10Base-T/100Base-TX/1000Base-T)**	Connect to this port when using this machine as a network printer or network scanner.

Inside



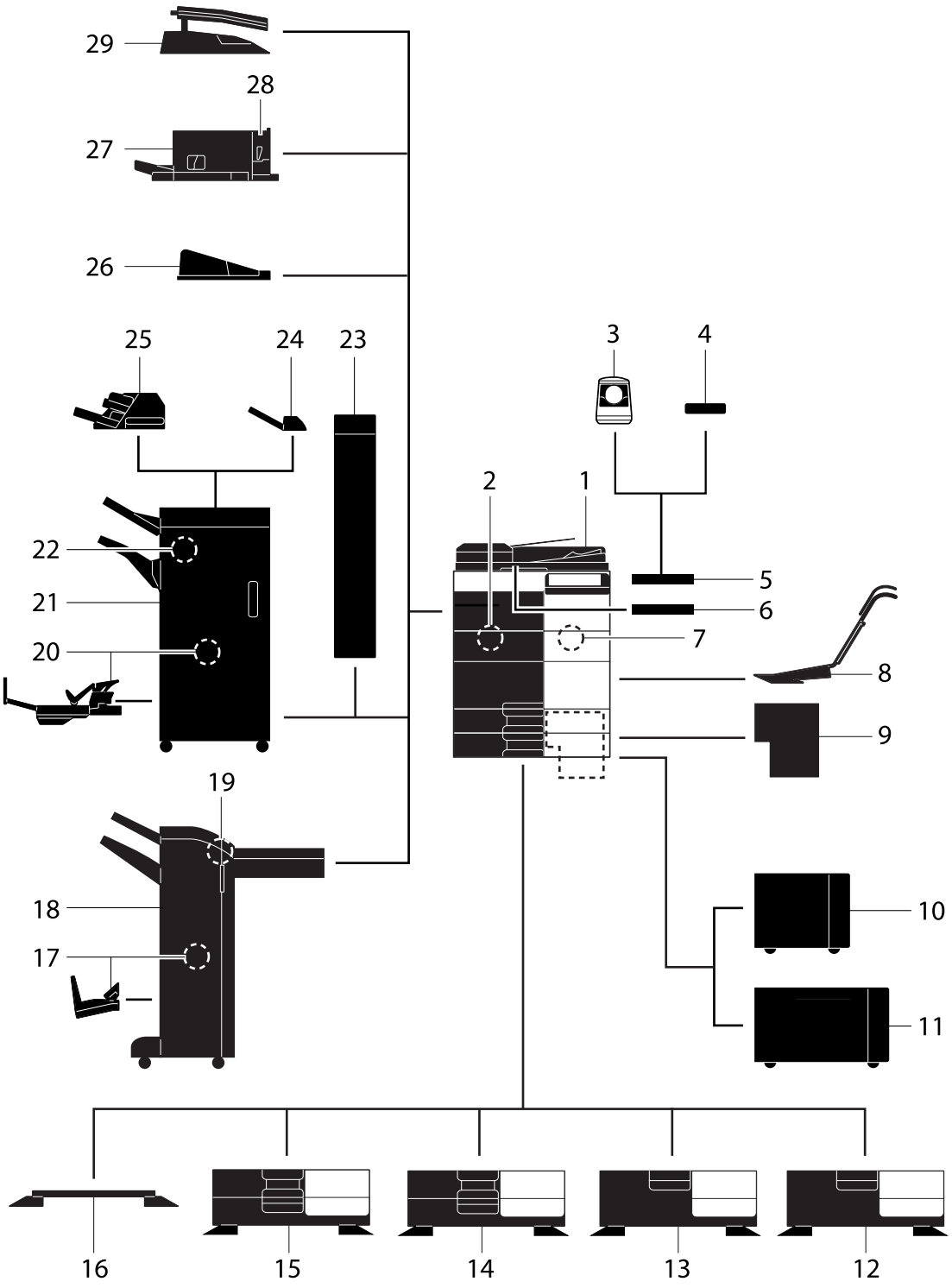
No.	Name	Description
1	**Original Glass**	Used to load the original.
2	**Fusing Unit Cover Lever**	Open this lever when clearing a paper jam in the fusing unit.
3	**Fusing Unit**	Used to fuse toner to paper using heat and pressure.
4	**Auto Duplex Unit**	Used to reverse paper when performing 2-sided printing.
5	**Drum Unit**	Used to create a print image.
6	**Lock Release Tab**	Used to remove the **Drum Unit**.
7	**Charger Cleaner**	Used to clean the **Electrostatic Charger Wire** when an image error occurs.
8	**Waste Toner Box**	Used to collect used waste toners.
9	**Printhead Cleaner**	Used to clean the surface of the **Print Head Glass** when the **Drum Unit** is being replaced.
10	**Main Power Switch**	Press this switch to turn the machine on or off.

No.	Name	Description
11	**Toner Cartridge**	This machine provides **Toner Cartridge** in four colors: cyan (C), magenta (M), yellow (Y), and black (K). A full-color image is created by combining the four toner colors.
12	**Total Counter**	Counts the total number of printed pages to date.
13	**Slit Scan Glass**	Used to scan an original image when using the **ADF**.
14	**Original Scale**	Load the original along this scale. This scale is also used to measure the size of the loaded original.

3 Checking the Name and Function of Each Optional Component

3 Checking the Name and Function of Each Optional Component

3.1 Checking the List of Optional Components (d-Color MF552/452)



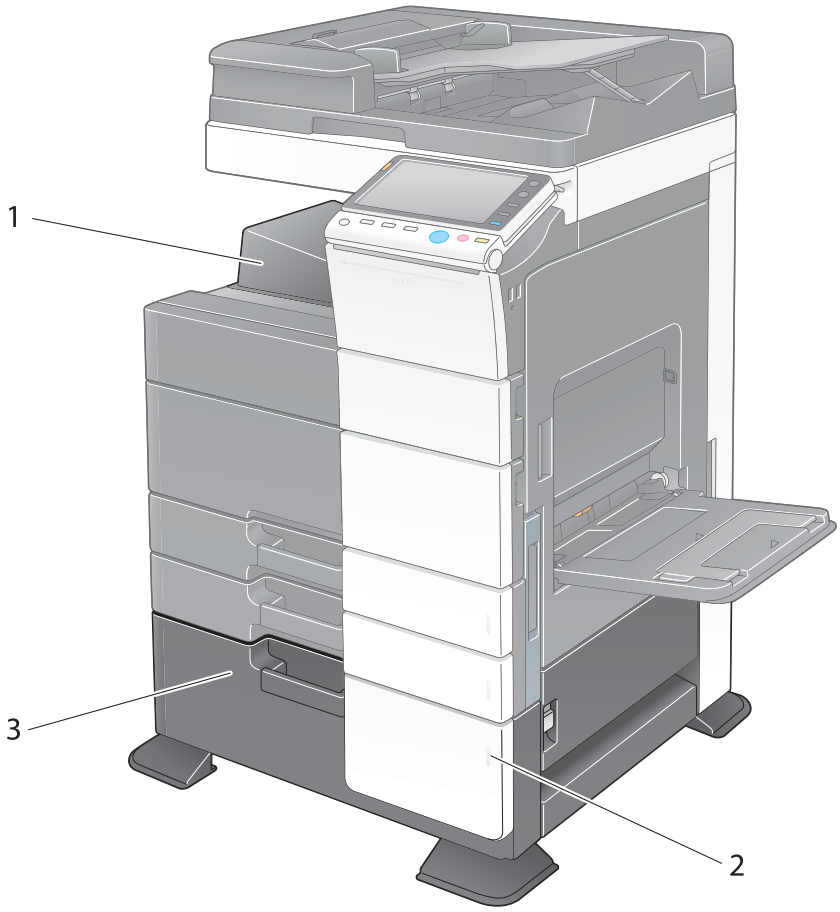
No.	Name	Description
1	Main unit	Scans the original in the scanner section, and prints a scanned image in the printer section. This unit is referred to as "machine", "main unit", or "552/452" in the manual.
2	**Fax Kit FK-511**	Used to operate this machine as a fax machine. Alternatively, this kit allows more telephone lines to be connected.
3	**Authentication Unit AU-102**	Performs user authentication by scanning vein patterns in the finger. The **Working Table WT-506** is required to install **Authentication Unit AU-102**. This unit is referred to as an **Authentication Unit** in the manual.
4	**Authentication Unit AU-201**	Performs user authentication by scanning information recorded on the IC card. The **Mount Kit MK-735** is required to install **Authentication Unit AU-201**. This unit can also be installed on the **Working Table WT-506**. This unit is referred to as an **Authentication Unit** in the manual.
5	**Working Table WT-506**	Provides an area to temporarily place an original or other materials. This is also used when the **Authentication Unit** is installed.
6	**Keyboard Holder KH-102**	Install this holder to use a external keyboard. For details on external keyboards, contact your service representative.
7	**Security Kit SC-508**	Supports the copy guard and password copy functions to prevent unauthorized copying.
8	**Mount Kit MK-730**	Used to print data on banner paper.
9	**Image Controller IC-414**	Built-in **Image Controller**. Installing this unit will provide higher quality printing result. **Video Interface Kit VI-506** is required to install **Image Controller IC-414**. Also, **Desk DK-510**, **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed onto this machine.
10	**Large Capacity Unit LU-301**	Allows you to load up to 3000 sheets of 8-1/2 × 11 (A4) size. This unit is referred to as a **Large Capacity Unit** in the manual. To install the **Large Capacity Unit**, the **Desk DK-510** or **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed on this machine.
11	**Large Capacity Unit LU-204**	Allows you to load up to 2500 sheets of SRA3 or 11 × 17 (A3) size. To change the paper size, contact your service representative. This unit is referred to as a **Large Capacity Unit** in the manual. To install the **Large Capacity Unit**, the **Desk DK-510** or **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed on this machine.
12	**Desk DK-510**	Used to install this machine on the floor. This unit is referred to as **Desk** in the manual. • This option may not be available depending on the sales area.

No.	Name	Description
13	**Paper Feed Cabinet PC-410**	Allows you to load up to 2500 sheets of 8-1/2×11 (A4) size. This unit is referred to as **LCT (built-in)** in the manual.
14	**Paper Feed Cabinet PC-210**	Allows you to load up to 500 sheets respectively in the top and bottom trays. This unit is referred to as **Double Paper Feed Cabinet** in the manual.
15	**Paper Feed Cabinet PC-110**	Allows you to load up to 500 sheets in the top tray and use the bottom tray as a storage box. This unit is referred to as **Single Paper Feed Cabinet** in the manual.
16	**Desk DK-705**	Used to install this machine on the floor. This unit is referred to as **Desk** in the manual. • This option may not be available depending on the sales area.
17	**Saddle Stitcher SD-511**	Install this unit onto **Finisher FS-534**. This unit supports the fold/bind function. It is referred to as **Saddle Stitcher** in the manual.
18	**Finisher FS-534**	Sorts, groups and staples printed paper before outputting it. To install **Finisher FS-534**, **Desk DK-510**, **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed onto this machine.
19	**Punch Kit PK-520**	Install this unit onto **Finisher FS-534**. This unit supports the punching function.
20	**Saddle Stitcher SD-512**	Install this unit onto **Finisher FS-535**. This unit supports the fold/bind function. It is referred to as **Saddle Stitcher** in the manual.
21	**Finisher FS-535**	**Finisher** that is installed in **d-Color MF552**. Sorts, groups and staples printed paper before outputting it. To install the **Finisher FS-535**, the **Desk DK-510** or **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed on this machine.
22	**Punch Kit PK-521**	Install this unit onto **Finisher FS-535**. This unit supports the punching function.
23	**Z Folding Unit ZU-606**	Install this unit onto the **Finisher FS-535** to enable Z folding or punching holes. This unit is referred to as a **Z Folding Unit** in the manual.
24	**Job Separator JS-602**	Install this unit onto **Finisher FS-535**. Collects printed pages. This unit is referred to as **Job Separator** in the manual.
25	**Post Inserter PI-505**	Install this unit onto the **Finisher FS-535** to enable insertion of a cover sheet into copied or printed sheets. This unit also allows you to manually operate the finisher (only the lower tray is available).
26	**Output Tray OT-506**	Collects printed pages.
27	**Finisher FS-533**	Install this unit onto the output tray of this machine. Sorts, groups and staples printed paper before outputting it.
28	**Punch Kit PK-519**	Install this unit onto **Finisher FS-533**. This unit supports the punching function.

No.	Name	Description
29	**Job Separator JS-506**	Install this unit onto the output tray of this machine. This unit sorts printed sheets. This unit is referred to as **Job Separator** in the manual.
The following options are built into this machine and are not shown in the figure above.		
30	**Stamp Unit SP-501**	Stamps a scanned original when sending a fax. This unit allows you to check that the original has been scanned.
31	**Spare TX Marker Stamp 2**	A replacement stamp for the **Stamp Unit SP-501**.
32	**Local Interface Kit EK-606**	Install this unit when using the external keyboard. This unit is equipped with a speaker. For details on external keyboards, contact your service representative.
33	**Local Interface Kit EK-607**	Install this unit when connecting to the external keyboard or Bluetooth-enabled device. This unit is equipped with a speaker and a receiving device for Bluetooth communication. For details on external keyboards, contact your service representative.
34	**Video Interface Kit VI-506**	This unit is required to install **Image Controller IC-414**.
35	**i-Option LK-101 v3**	Supports the web browser function that is one of the advanced functions.
36	**i-Option LK-102 v3**	Supports the PDF processing function that is one of the advanced functions.
37	**i-Option LK-105 v3**	Supports the searchable PDF function that is one of the advanced functions.
38	**i-Option LK-106**	Used to add a bar code font that is one of special fonts.
39	**i-Option LK-107**	Used to add a unicode font that is one of special fonts.
40	**i-Option LK-108**	Used to add an OCR font that is one of special fonts.
41	**Upgrade Kit UK-204**	Install this unit when using Web browser, PDF processing, searchable PDF, My Panel, My Address, or special fonts.
The following options are not shown in the figure.		
42	**Heater HT-509**	Prevents paper in a paper tray from being affected by humidity. To install **Heater HT-509**, **Desk DK-510**, **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed onto this machine.
43	**Power Supply BOX MK-734**	Turns on/off dehumidifier heater operations.
44	**Mount Kit MK-735**	Required to install **Authentication Unit AU-201**.

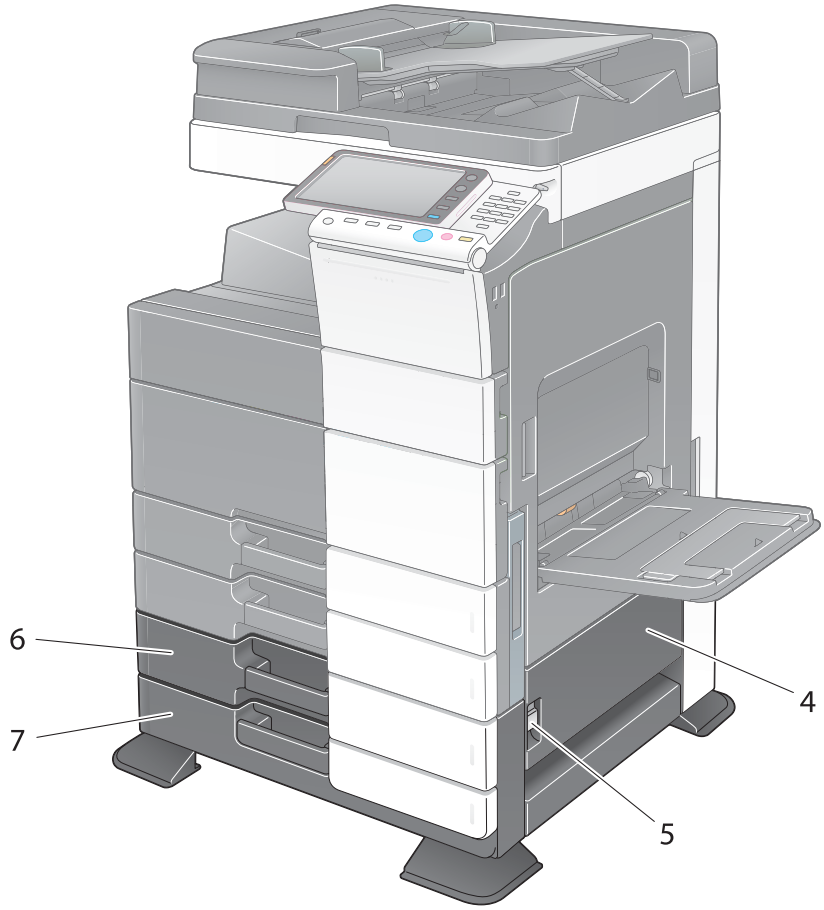
Front side

The illustration above shows the main unit with **Output Tray OT-506**, and **Paper Feed Cabinet PC-410**.



No.	Name	Description
1	**Output Tray**	Collects printed pages.
2	**Paper-Empty Indicator**	Flashes in orange when a tray runs low on paper, and lights up when a paper-out occurs.
3	**LCT (built-in)**	Allows you to load up to 2500 sheets. This tray can hold up to 1000 sheets of Thick 1, Thick 1+, Thick 2, and Thick 3.

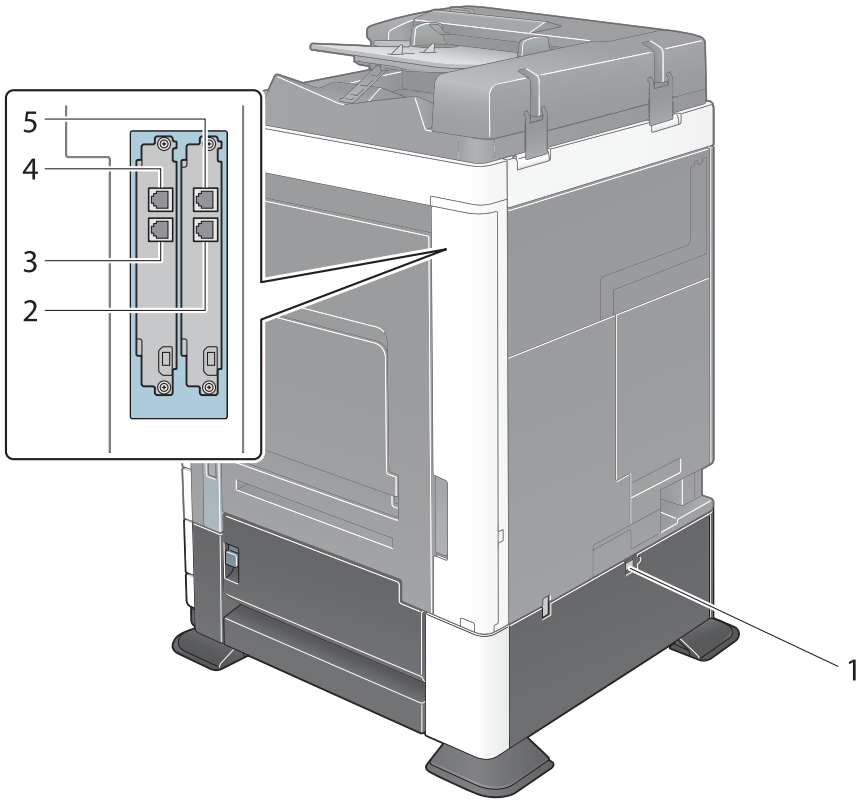
The illustration above shows the main unit with **Paper Feed Cabinet PC-210** or **Paper Feed Cabinet PC-110**, and **Output Tray OT-506**.



No.	Name	Description
4	**Bottom Right Door**	Open this door when clearing a paper jam in the **Tray3** or **Tray4** transport unit.
5	**Bottom Right Door Release Lever**	Used to lock the **Bottom Right Door**.
6	**Tray3**	Allows you to load up to 500 sheets. This tray can hold up to 150 sheets of Thick 1, Thick 1+, Thick 2, and Thick 3.
7	**Tray4/Storage Box**	Used as a **Storage Box** when installing **Single Paper Feed Cabinet**. This box allows you to load up to 500 sheets when **Double Paper Feed Cabinet** is installed. This tray can hold up to 150 sheets of Thick 1, Thick 1+, Thick 2, and Thick 3.

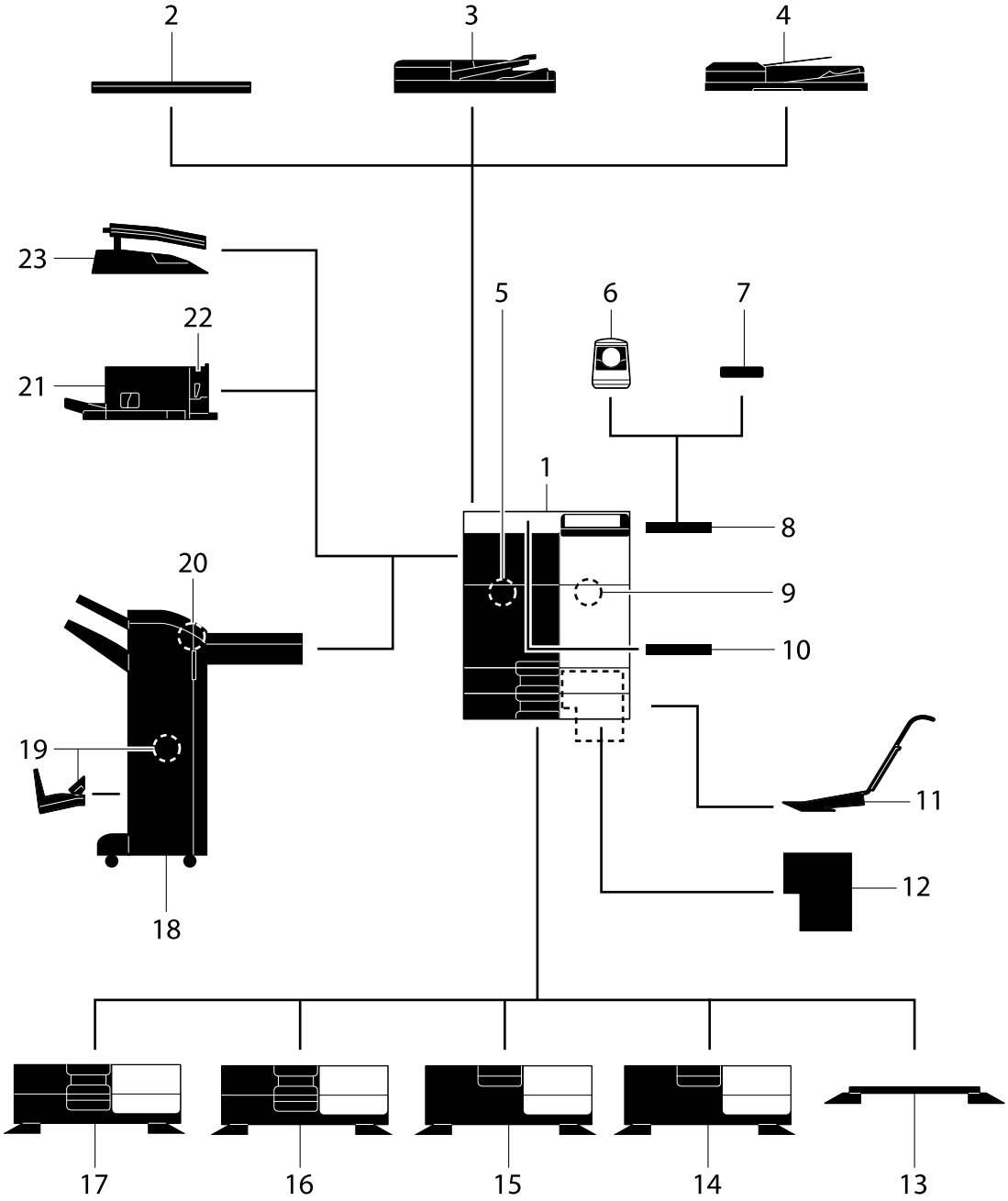
Rear side

The illustration below shows the main unit with **Paper Feed Cabinet PC-210**, **Fax Kit FK-511**, and **Power Supply BOX MK-734**.



No.	Name	Description
1	**Heater Power Switch**	Used to turn dehumidifier heater operations on or off. This function prevents paper from being affected by humidity when the power is turned on. The dehumidifier heater is available when you purchase **Single/Double Paper Feed Cabinet**, **LCT (built-in)**, or **Desk**.
2	**Jack for connecting a telephone (TEL PORT1)**	Used to connect a telephone cord. Connect the cord to this connector when using only one telephone line.
3	**Jack for connecting a telephone (TEL PORT2)**	Used to connect a telephone cord.
4	**Telephone Jack 2 (LINE PORT2)**	Used to connect a general telephone subscriber line.
5	**Telephone Jack 1 (LINE PORT1)**	Used to connect a general telephone subscriber line. Connect the cord to this connector when using only one telephone line.

3.2 Checking the List of Optional Components (d-Color MF362/282/222)



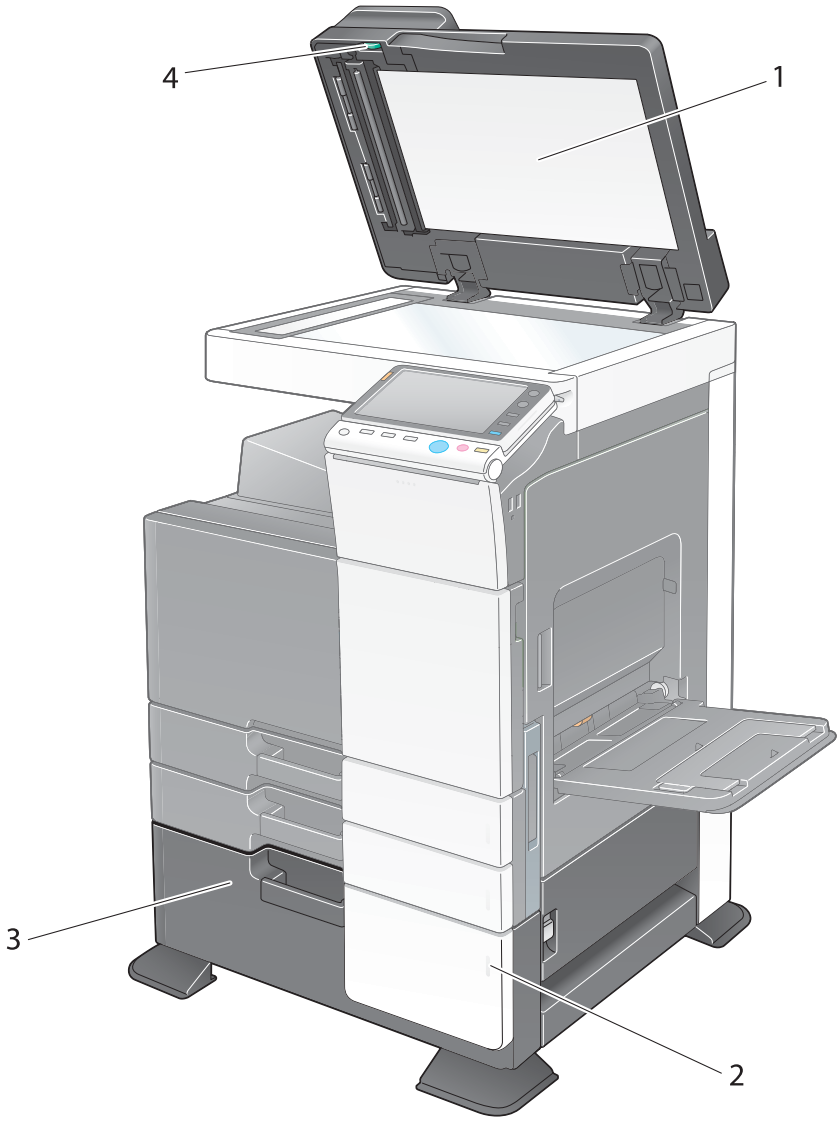
No.	Name	Description
1	Main unit	Scans the original in the scanner section, and prints a scanned image in the printer section. This unit is referred to as "machine", "main unit", or "362/282/222" in the manual.
2	**Original Cover OC-511**	Used to fix the loaded originals. This is referred to as **Original Cover** in the manual.
3	**Reverse Automatic Document Feeder DF-624**	Automatically feeds and scans originals by page. This unit also reverses and automatically scans 2-sided originals. This unit is referred to as **ADF** in the manual.
4	**Dual Scan Document Feeder DF-701**	Automatically feeds and scans originals by page. This unit scans a 2-sided original by only requiring the paper be fed into the machine once without reversing. This unit is referred to as **ADF** in the manual.
5	**Fax Kit FK-511**	Used to operate this machine as a fax machine. Alternatively, this kit allows more telephone lines to be connected.
6	**Authentication Unit AU-102**	Performs user authentication by scanning vein patterns in the finger. The **Working Table WT-506** is required to install **Authentication Unit AU-102**. This unit is referred to as an **Authentication Unit** in the manual.
7	**Authentication Unit AU-201**	Performs user authentication by scanning information recorded on the IC card. The **Mount Kit MK-735** is required to install **Authentication Unit AU-201**. This unit can also be installed on the **Working Table WT-506**. This unit is referred to as an **Authentication Unit** in the manual.
8	**Working Table WT-506**	Provides an area to temporarily place an original or other materials. This is also used when the **Authentication Unit** is installed.
9	**Security Kit SC-508**	Supports the copy guard and password copy functions to prevent unauthorized copying.
10	**Keyboard Holder KH-102**	Install this holder to use a external keyboard. For details on external keyboards, contact your service representative.
11	**Mount Kit MK-730**	Used to print data on banner paper.
12	**Image Controller IC-414**	**Image Controller** that is installed in **d-Color MF282/d-Color MF362**. Installing this unit will provide higher quality printing result. **Video Interface Kit VI-506** is required to install **Image Controller IC-414**. Also, **Desk DK-510**, **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed onto this machine.
13	**Desk DK-705**	Used to install this machine on the floor. This unit is referred to as **Desk** in the manual. • This option may not be available depending on the sales area.
14	**Desk DK-510**	Used to install this machine on the floor. This unit is referred to as **Desk** in the manual. • This option may not be available depending on the sales area.
15	**Paper Feed Cabinet PC-410**	Allows you to load up to 2500 sheets of 8-1/2×11 (A4) size. This unit is referred to as **LCT (built-in)** in the manual.

No.	Name	Description
16	**Paper Feed Cabinet PC-210**	Allows you to load up to 500 sheets respectively in the top and bottom trays. This unit is referred to as **Double Paper Feed Cabinet** in the manual.
17	**Paper Feed Cabinet PC-110**	Allows you to load up to 500 sheets in the top tray and use the bottom tray as a storage box. This unit is referred to as **Single Paper Feed Cabinet** in the manual.
18	**Finisher FS-534**	Sorts, groups and staples printed paper before outputting it. To install **Finisher FS-534**, **Desk DK-510**, **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed onto this machine.
19	**Saddle Stitcher SD-511**	Install this unit onto **Finisher FS-534**. This unit supports the fold/bind function. It is referred to as **Saddle Stitcher** in the manual.
20	**Punch Kit PK-520**	Install this unit onto **Finisher FS-534**. This unit supports the punching function.
21	**Finisher FS-533**	Install this unit onto the output tray of this machine. Sorts, groups and staples printed paper before outputting it.
22	**Punch Kit PK-519**	Install this unit onto **Finisher FS-533**. This unit supports the punching function.
23	**Job Separator JS-506**	Install this unit onto the output tray of this machine. This unit sorts printed sheets. This unit is referred to as **Job Separator** in the manual.
The following options are built into this machine and are not shown in the figure above.		
24	**Stamp Unit SP-501**	Stamps a scanned original when sending a fax. This unit allows you to check that the original has been scanned.
25	**Spare TX Marker Stamp 2**	A replacement stamp for the **Stamp Unit SP-501**.
26	**Local Interface Kit EK-606**	Install this unit when using the external keyboard. This unit is equipped with a speaker. For details on external keyboards, contact your service representative.
27	**Local Interface Kit EK-607**	Install this unit when connecting to the external keyboard or Bluetooth-enabled device. This unit is equipped with a speaker and a receiving device for Bluetooth communication. For details on external keyboards, contact your service representative.
28	**Video Interface Kit VI-506**	This unit is required to install **Image Controller IC-414** onto **d-Color MF362** or **d-Color MF282**.
29	**i-Option LK-101 v3**	Supports the web browser function that is one of the advanced functions.
30	**i-Option LK-102 v3**	Supports the PDF processing function that is one of the advanced functions.
31	**i-Option LK-105 v3**	Supports the searchable PDF function that is one of the advanced functions.
32	**i-Option LK-106**	Used to add a bar code font that is one of special fonts.
33	**i-Option LK-107**	Used to add a unicode font that is one of special fonts.
34	**i-Option LK-108**	Used to add an OCR font that is one of special fonts.
35	**Upgrade Kit UK-204**	Install this unit when using Web browser, PDF processing, searchable PDF, My Panel, My Address, or special fonts.

No.	Name	Description
The following options are not shown in the figure.		
36	**Heater HT-509**	Prevents paper in a paper tray from being affected by humidity. To install **Heater HT-509**, **Desk DK-510**, **Paper Feed Cabinet PC-410**, **Paper Feed Cabinet PC-110**, or **Paper Feed Cabinet PC-210** must be installed onto this machine.
37	**Power Supply BOX MK-734**	Turns on/off dehumidifier heater operations.
38	**Mount Kit MK-735**	Required to install **Authentication Unit AU-201**.

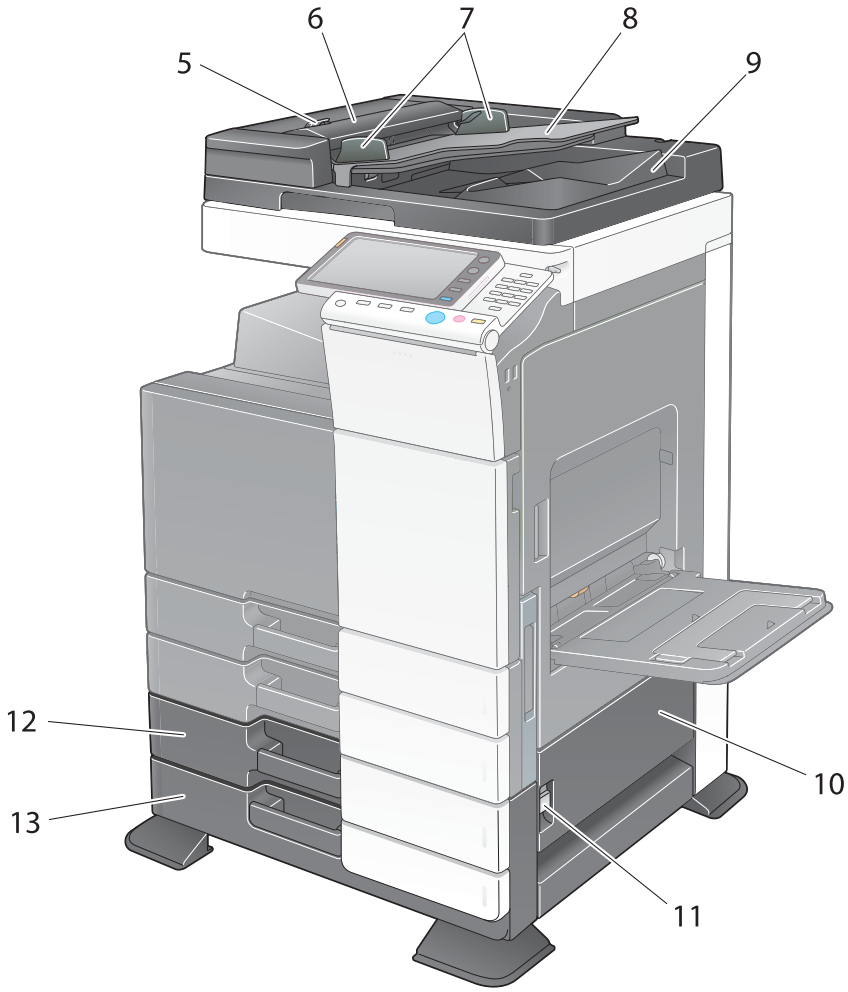
Front side

The illustration above shows the main unit with **Reverse Automatic Document Feeder DF-624**, and **Paper Feed Cabinet PC-410**.



No.	Name	Description
1	**Original Pad**	Fixes the loaded originals.
2	**Paper-Empty Indicator**	Flashes in orange when a tray runs low on paper, and lights up when a paper-out occurs.
3	**LCT (built-in)**	Allows you to load up to 2500 sheets. This tray can hold up to 1000 sheets of Thick 1, Thick 1+, Thick 2, and Thick 3.
4	Jam Removal Dial	Turn this dial to remove paper that caused a paper jam in the **ADF**.

The illustration above shows the main unit with **Paper Feed Cabinet PC-210** or **Paper Feed Cabinet PC-110**, and **Reverse Automatic Document Feeder DF-624**.

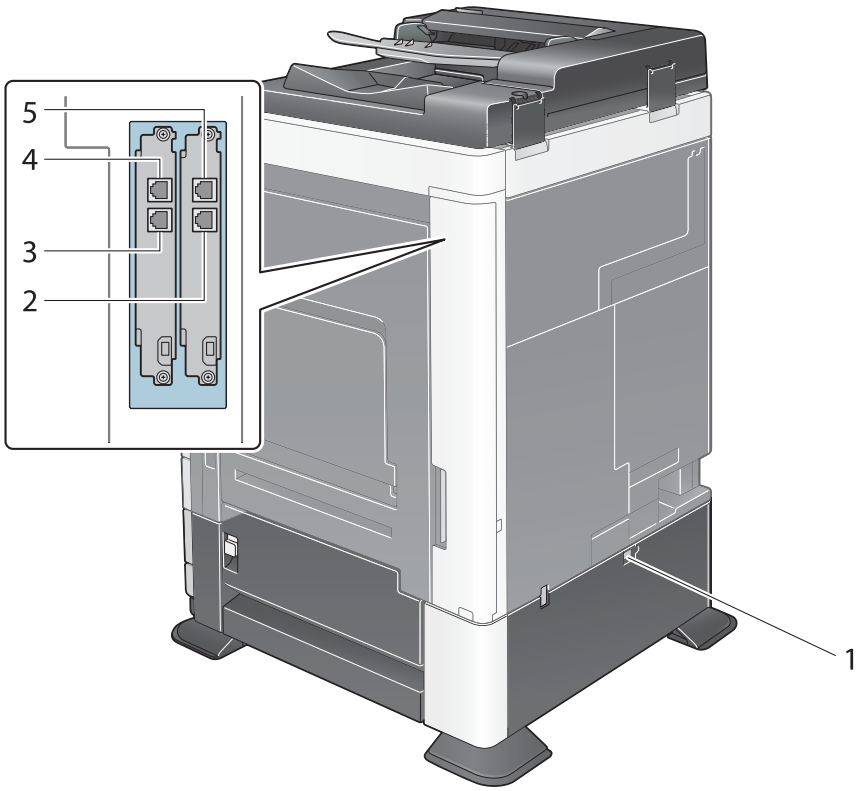


No.	Name	Description
5	**Left Cover Release Lever**	Used to open the **Left Cover**.
6	**Left Cover**	Open the **Left Cover** when clearing a paper jam.
7	**Lateral Guide**	Adjust this guide along the width of the original.
8	**Original Tray**	Load the original face up in this tray. Open the **Original Tray** when clearing a paper jam in the **ADF**.
9	**Original Output Tray**	The scanned original is fed out onto this tray. Open the **Original Output Tray** when clearing a paper jam in the **ADF**.

No.	Name	Description
10	**Bottom Right Door**	Open this door when clearing a paper jam in the **Tray3** or **Tray4** transport unit.
11	**Bottom Right Door Release Lever**	Used to lock the **Bottom Right Door**.
12	**Tray3**	Allows you to load up to 500 sheets. This tray can hold up to 150 sheets of Thick 1, Thick 1+, Thick 2, and Thick 3.
13	**Tray4/Storage Box**	Used as a **Storage Box** when installing **Single Paper Feed Cabinet**. This box allows you to load up to 500 sheets when **Double Paper Feed Cabinet** is installed. This tray can hold up to 150 sheets of Thick 1, Thick 1+, Thick 2, and Thick 3.

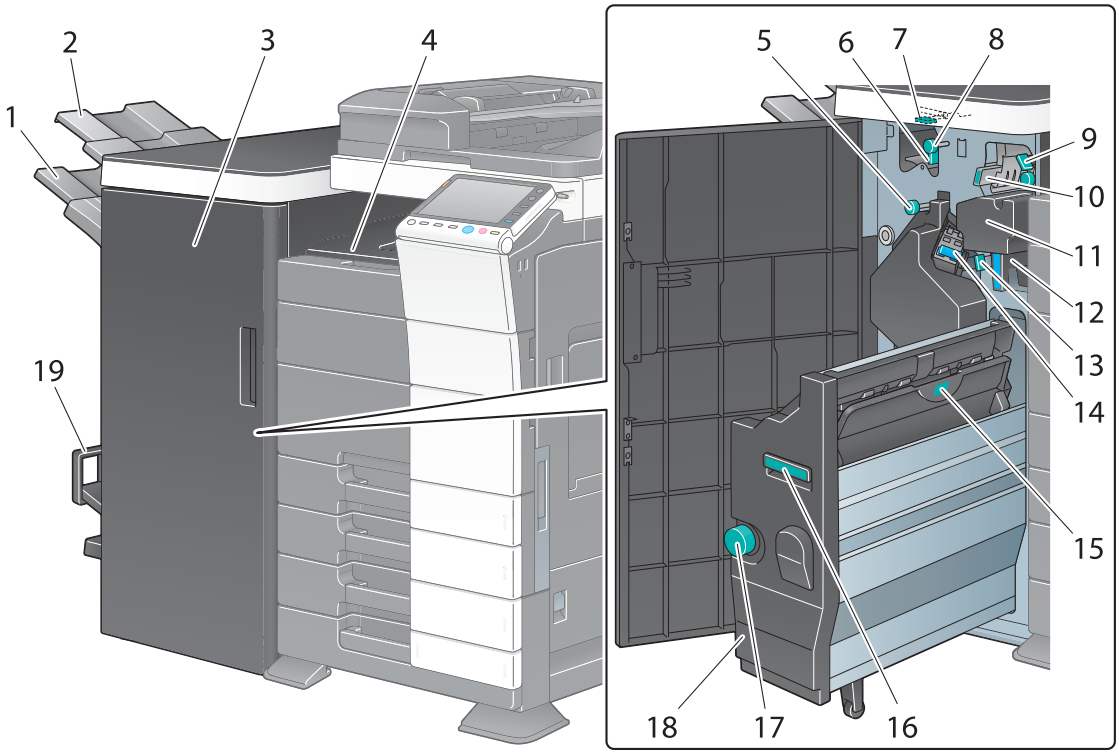
Rear side

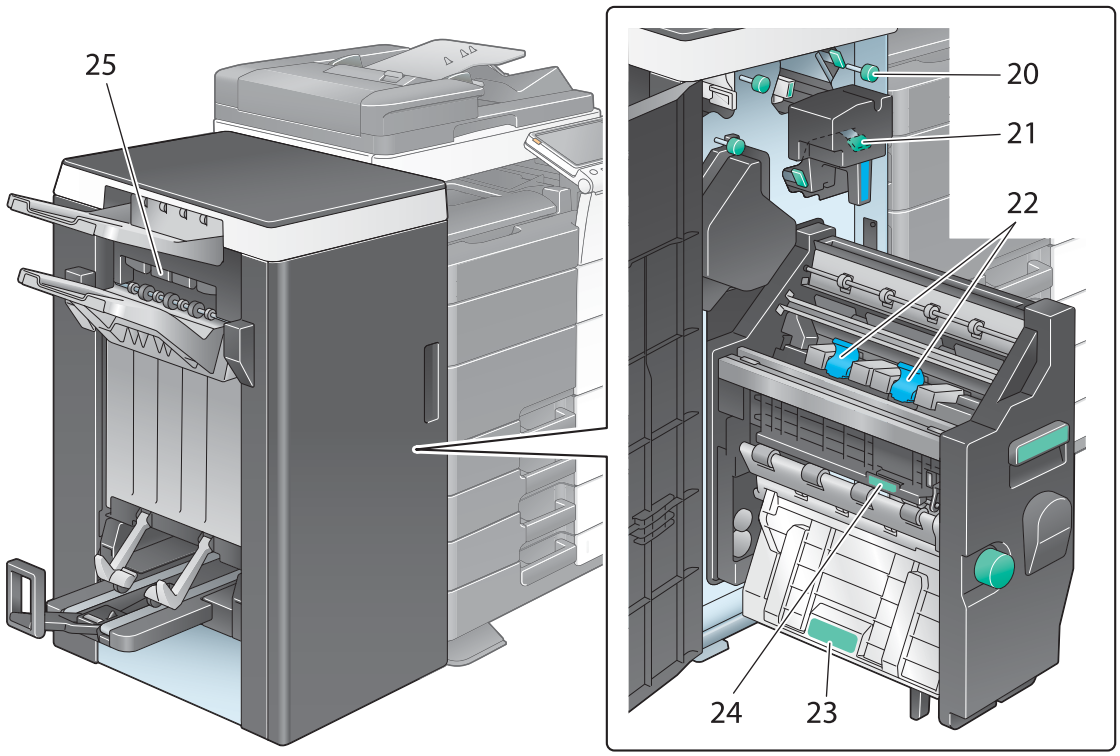
The illustration below shows the main unit with **Reverse Automatic Document Feeder DF-624**, **Paper Feed Cabinet PC-210**, **Fax Kit FK-511**, and **Power Supply BOX MK-734**.



No.	Name	Description
1	**Heater Power Switch**	Used to turn dehumidifier heater operations on or off. This function prevents paper from being affected by humidity when the power is turned on. The dehumidifier heater is available when you purchase **Single/Double Paper Feed Cabinet**, **LCT (built-in)**, or **Desk**.
2	**Jack for connecting a telephone (TEL PORT1)**	Used to connect a telephone cord. Connect the cord to this connector when using only one telephone line.
3	**Jack for connecting a telephone (TEL PORT2)**	Used to connect a telephone cord.
4	**Telephone Jack 2 (LINE PORT2)**	Used to connect a general telephone subscriber line.
5	**Telephone Jack 1 (LINE PORT1)**	Used to connect a general telephone subscriber line. Connect the cord to this connector when using only one telephone line.

3.3 Finisher FS-535/Saddle Stitcher SD-512/Punch Kit PK-521

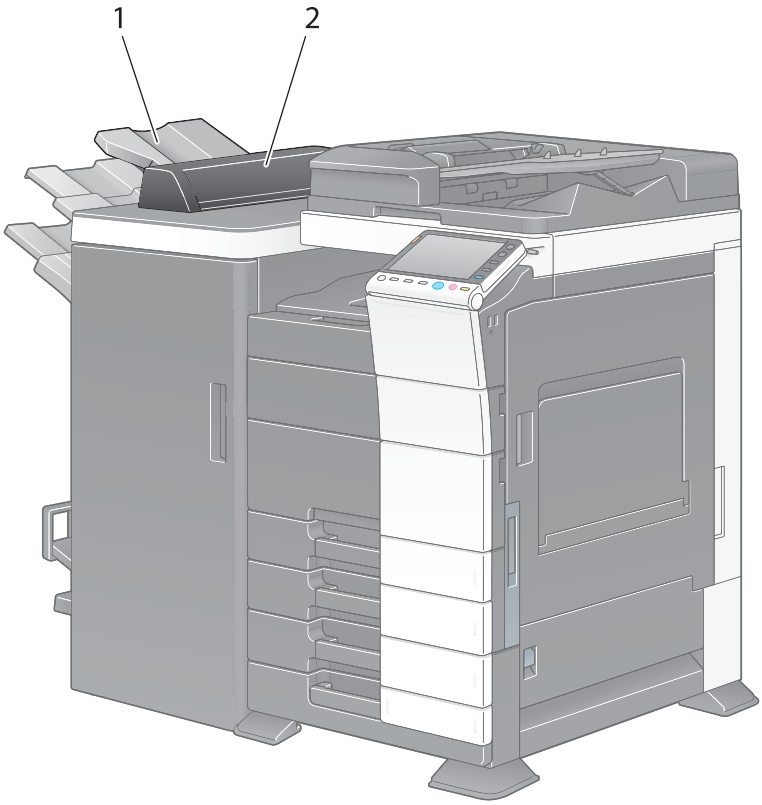




No.	Name	Description
1	**Output Tray 2**	Collects printed pages.
2	**Output Tray 1**	Collects printed pages.
3	**Front Door**	Open this door when clearing a paper jam or staple jam or when replacing a staple cartridge.

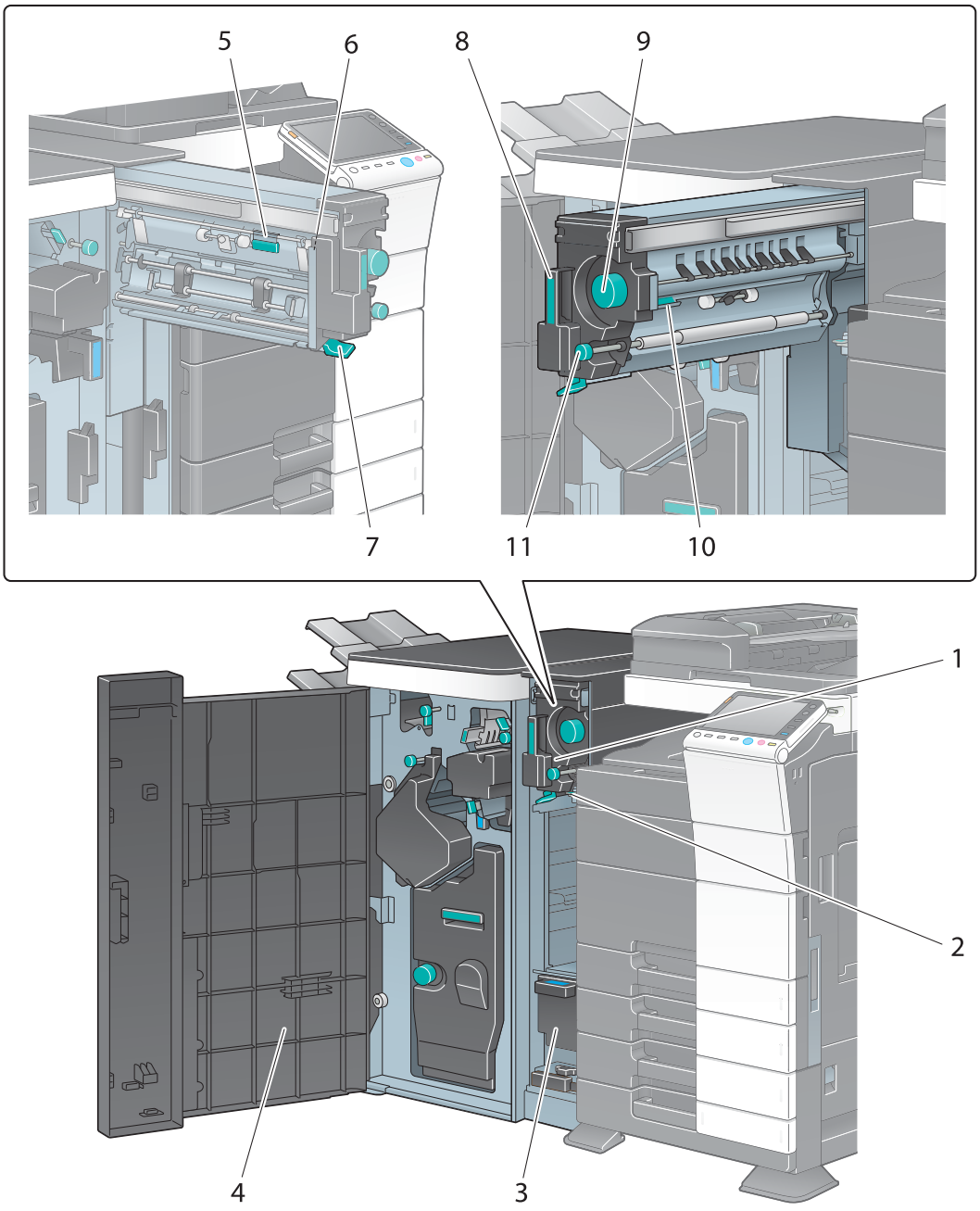
No.	Name	Description
4	**Horizontal Transport Unit Cover**	Open this cover when removing paper that caused a paper jam in the horizontal transport unit.
5	**Jam Removal Dial** [FS7]	Turn this dial to remove paper that caused a paper jam in the finisher.
6	**Guide Lever** [FS6]	Turn this lever to clear a paper jam.
7	**Guide Lever** [FS8]	Turn this lever to clear a paper jam.
8	**Jam Removal Dial** [FS5]	Turn this dial to remove paper that caused a paper jam in the finisher.
9	**Guide Lever** [FS3]	Turn this lever to clear a paper jam.
10	**Guide Lever** [FS4]	Turn this lever to clear a paper jam.
11	**Punch Kit**	Punches printed sheets for filing by installing the Punch Kit in the finisher.
12	**Punch Scrap Box**	Remove this box when disposing of punch scraps.
13	**Guide Lever** [FS9]	Turn this lever to clear a paper jam.
14	**Staple Cartridge**	Pull out this cartridge from the finisher when clearing a staple jam or replacing a staple cartridge.
15	**Handle** [SD2]	Turn this lever to clear a paper jam.
16	**Handle** [SD1]	Hold this handle when moving the **Saddle Stitcher** in and out.
17	**Jam Removal Dial** [SD3]	Turn this dial to remove paper that caused a paper jam in the finisher.
18	**Saddle Stitcher**	Pull out this unit when clearing a paper jam or staple jam or when replacing a staple cartridge.
19	**Folding Output Tray**	Used to feed out the printed fold/bind paper.
20	**Jam Removal Dial** [FS2]	Turn this dial to remove paper that caused a paper jam in the finisher.
21	**Guide Lever** [FS1]	Turn this lever to clear a paper jam.
22	**Staple Cartridge**	Pull out this cartridge from the **Saddle Stitcher** when clearing a staple jam or replacing a staple cartridge.
23	**Guide Lever** [SD4]	Turn this lever to clear a paper jam.
24	**Guide Lever** [SD5]	Turn this lever to clear a paper jam.
25	**Exit Cover**	This cover opens automatically when paper is fed out.

3.4 Job Separator JS-602



No.	Name	Description
1	**Output Tray**	Collects printed pages.
2	**Job Separator Cover**	Open this door to clear a paper jam.

3.5 Z Folding Unit ZU-606

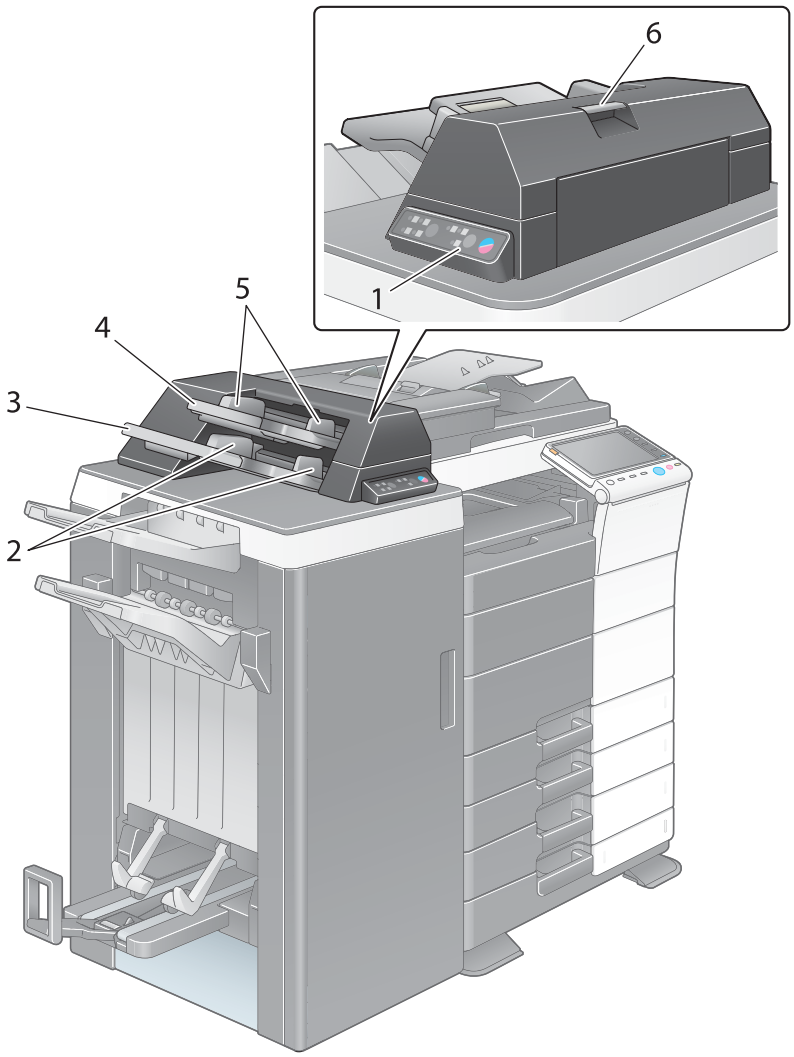


No.	Name	Description
1	**Z Folding/Conveyance Unit**	Pull out this unit to remove jammed paper.
2	**Guide Lever** [FN1]	Turn this lever to clear a paper jam.
3	**Punch Scrap Box**	Remove this box when disposing of punch scraps.
4	**Front Door**	Open this door when clearing a paper jam or disposing punch scraps.
5	**Guide Lever** [FN6]	Turn this lever to clear a paper jam.
6	**Guide Lever** [FN7]	Turn this lever to clear a paper jam.
7	**Guide Lever** [FN8]	Turn this lever to clear a paper jam.
8	**Handle** [FN2]	Hold this handle when taking the Z-fold unit in and out.

No.	Name	Description
9	**Jam Removal Dial** [FN5]	Turn this dial to remove paper that caused a paper jam in the Z-fold unit.
10	**Guide Lever** [FN3]	Turn this lever to clear a paper jam.
11	**Jam Removal Dial** [FN4]	Turn this dial to remove paper that caused a paper jam in the Z-fold unit.

3.6 Post Inserter PI-505

3.6.1 Name and Function of Each Part

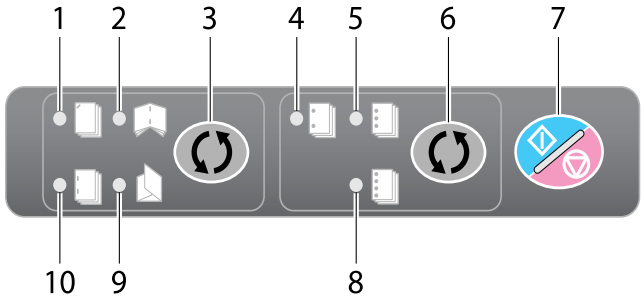


No.	Name	Description
1	**Post Inserter Control Panel**	Operate this panel when manually using the finisher. For details on the operation procedure of the post inserter, refer to page 3-23.
2	**Lower Tray Paper Guide**	When cover paper is loaded, slide this guide to align with the paper size.
3	**Lower Tray**	Load cover paper into this tray.
4	**Upper Tray**	Load cover paper into this tray.
5	**Upper Tray Paper Guide**	When cover paper is loaded, slide this guide to align with the paper size.
6	**Upper Unit Release Lever**	When clearing a paper jam, rise this lever, and slide the upper unit to the left.

3.6.2 Post Inserter Operations

Keys on control panel

When the **Post Inserter PI-505** is installed on the **Finisher FS-535**, you can manually operate the **Finisher FS-535** using the **Post Inserter Control Panel**.

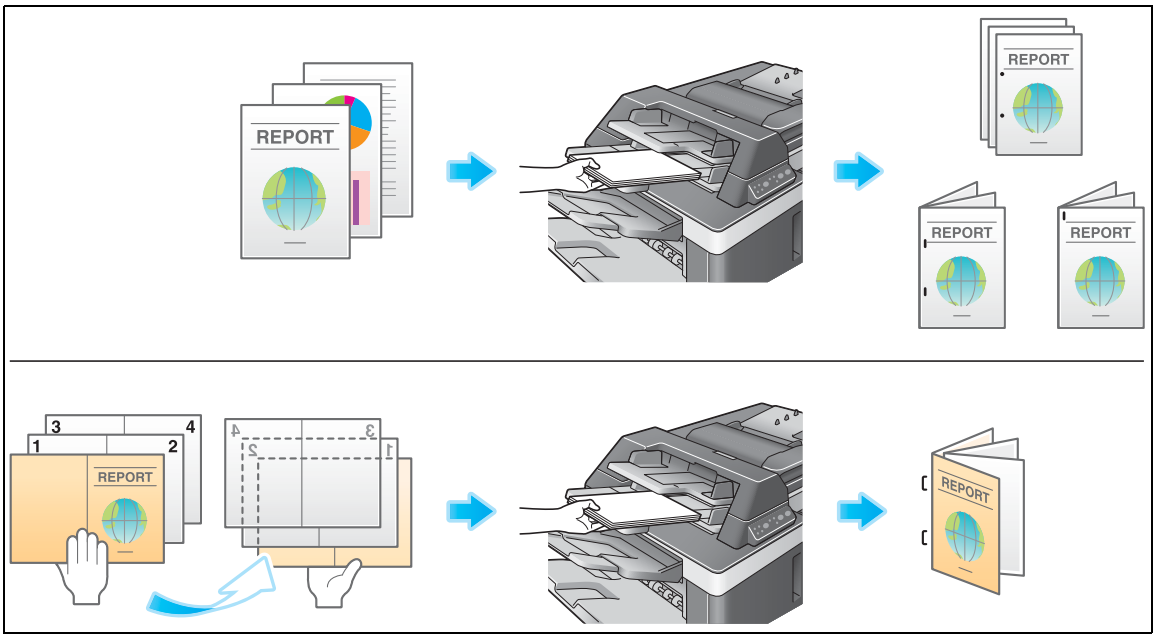


No.	Name	Description
1	**Corner Staple Lamp**	Indicates that the corner staple is selected.
2	**Center Staple & Fold Lamp**	Indicates that Center Staple is selected.
3	**Finishing**	Press this key to select finishing.
4	**2-Hole Lamp**	Indicates that 2-Hole is selected.
5	**3-Hole Lamp**	Indicates that 3-Hole is selected.
6	**Select punch**	Press this key to select the punch hole type.
7	**Start/stop**	Press this key to start post inserter operations. If you press this key during operation, this unit will stop.
8	**4-Hole Lamp**	Indicates that 4-Hole is selected.
9	**Tri-Fold Lamp**	Indicates that Tri-Fold is selected.
10	**2 position staple lamp**	Indicates that 2-position staple is selected.

Finishing using Post Inserter

✔ Only the lower tray can be used as the paper tray. The upper tray is not available.

1 Place paper in the lower tray of the Post Inserter, and align the lateral guide to the paper size.



➔ Load the original by placing it so that its top side faces the back of the machine.
➔ To use the corner staple or 2-staple option, load the paper face up.
➔ To perform Punch, load the paper face up.
➔ To perform Bind, load the front side of the bound paper face down.
➔ To perform Tri-Fold, load the outside of the tri-folded paper face down.

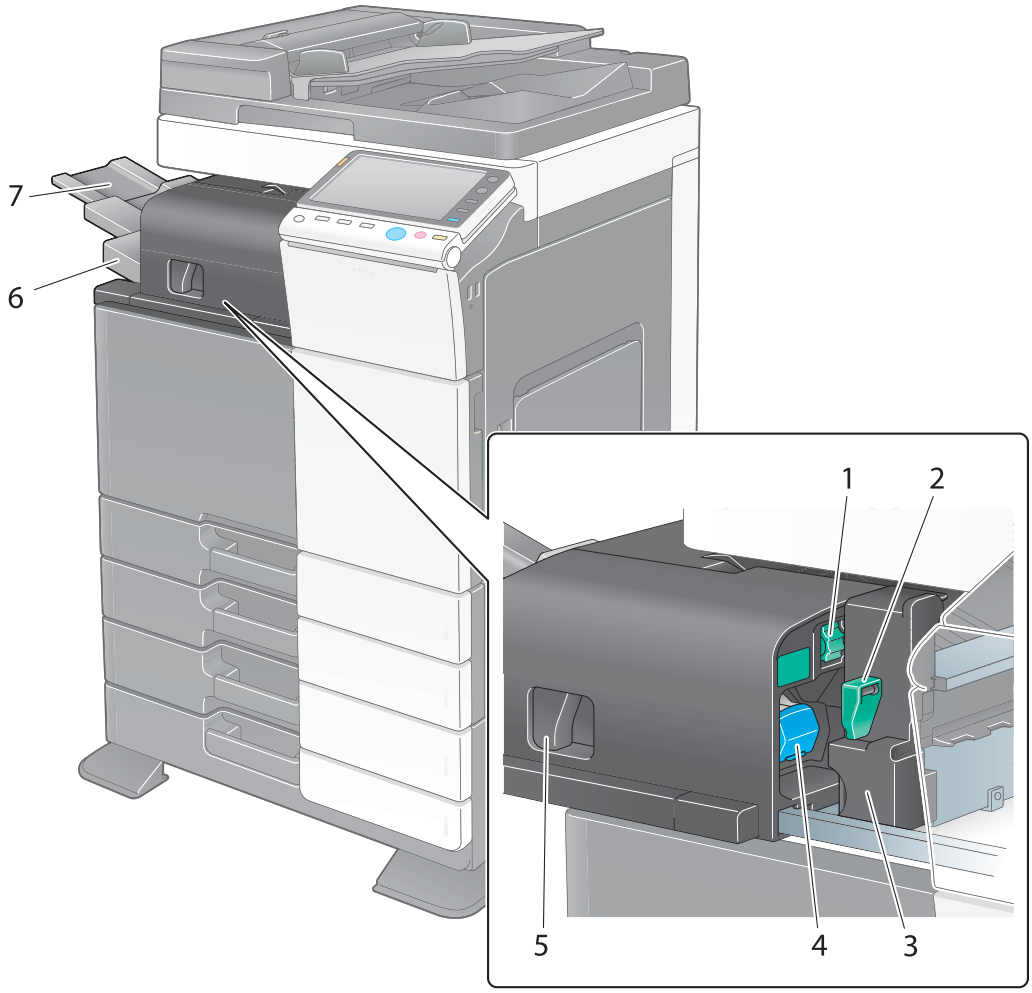
2 Press the **Finishing** key and **Select punch** key, and select the desired finishing.

➔ To configure Finishing settings, press the **Finishing** key to turn the LED on. To configure punch settings, press the **Select punch** key to turn the LED on.
➔ Punch settings are available together with the corner staple or 2-staple option.

3 Press the **Start/stop** key.

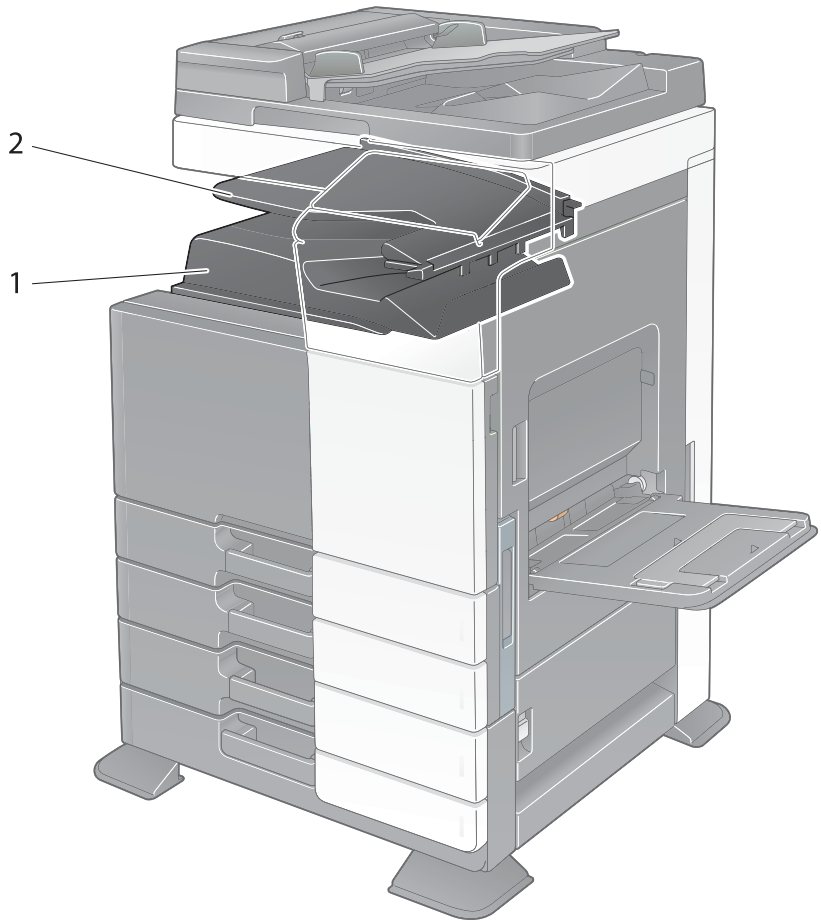
➔ If the **Start/stop** key is pressed during operation, the operation will be stopped.

3.7 Finisher FS-533, Punch Kit PK-519



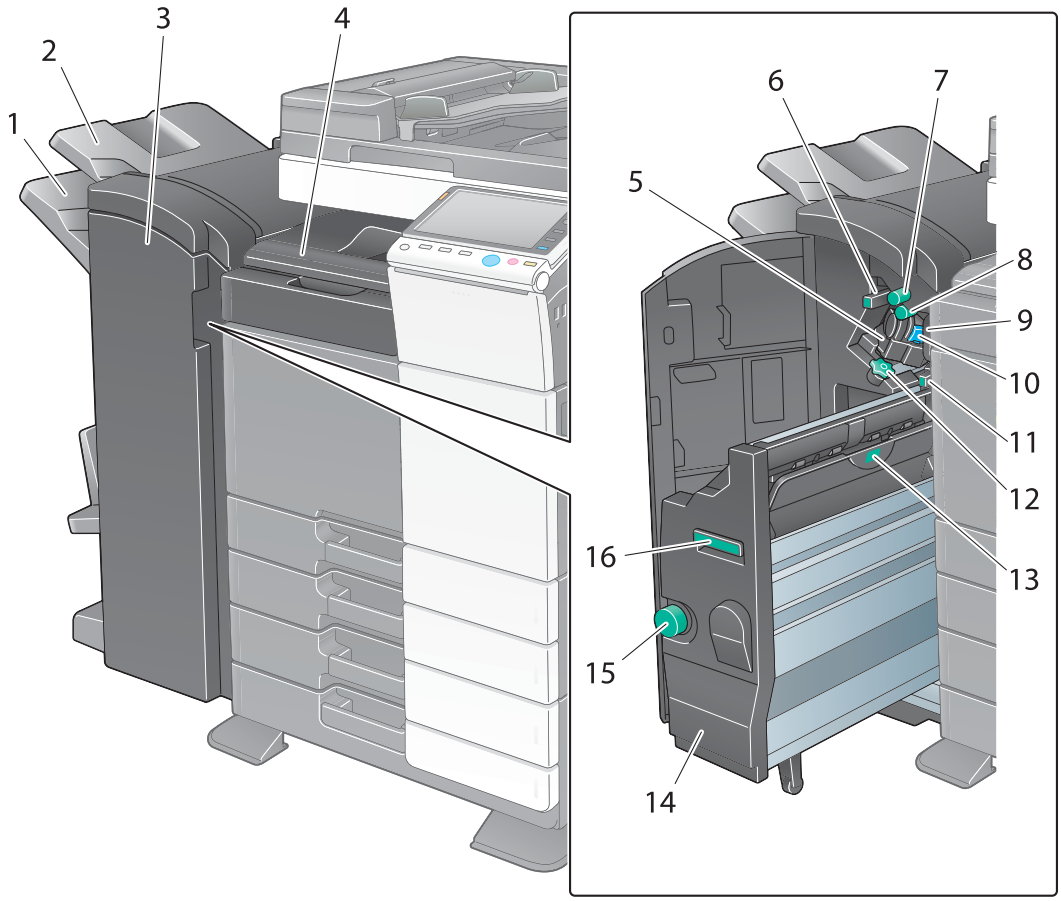
No.	Name	Description
1	**Jam Removal Dial** [FS1]	Turn this dial to remove paper that caused a paper jam in the finisher.
2	**Punch Kit Release Lever** [FS2]	Used to open the punch kit when removing a punch scrap box.
3	**Punch Kit**	You can punch printed sheets for filing by installing the Punch Kit in the finisher.
4	**Staple Cartridge**	Pull out this cartridge from the finisher when clearing a staple jam or replacing a staple cartridge.
5	**Lock Release Lever**	Used to release and move the finisher and main unit when clearing a paper jam.
6	**Output Tray**	Collects printed pages.
7	**Tray Extension**	Pull this tray out when handling paper longer than 8-1/2 × 11 (A4) ◪.

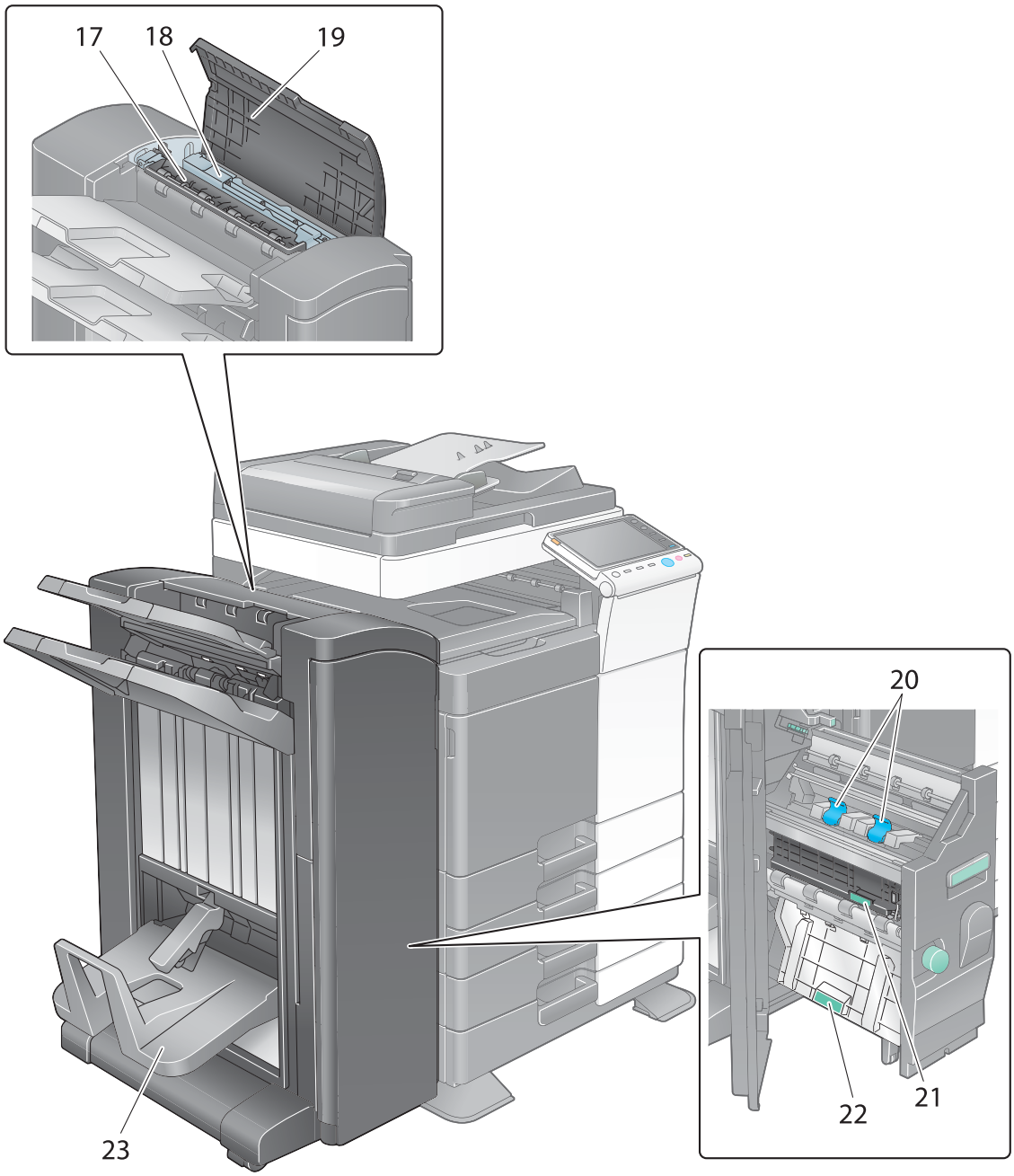
3.8 Job Separator JS-506



No.	Name	Description
1	**Output Tray 1**	Collects printed pages.
2	**Output Tray 2**	Collects printed pages.

3.9 Finisher FS-534/Saddle Stitcher SD-511/Punch Kit PK-520

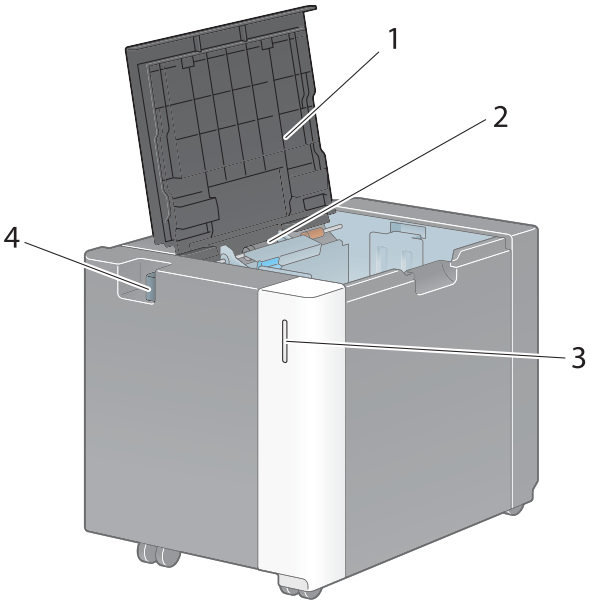


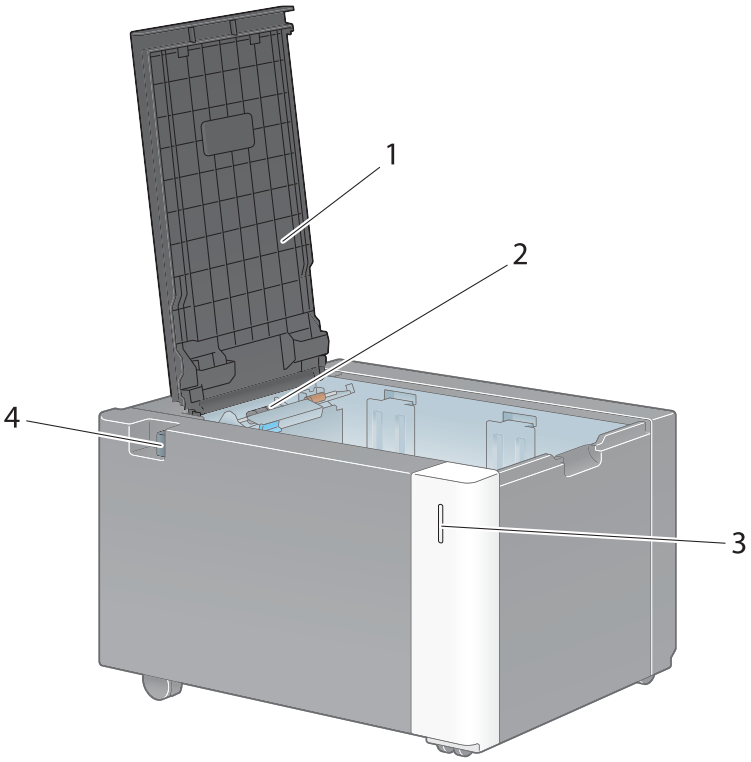


No.	Name	Description
1	**Output Tray 2**	Collects printed pages.
2	**Output Tray 1**	Collects printed pages.
3	**Front Door**	Open this door when clearing a paper jam or staple jam or when replacing a staple cartridge.
4	**Horizontal Transport Unit Cover**	Open this cover when removing paper that caused a paper jam in the horizontal transport unit.
5	**Stapler**	Move this unit to the front side when clearing a staple jam.
6	**Guide Lever** [FS2]	Turn this lever to clear a paper jam.
7	**Jam Removal Dial** [FS1]	Turn this dial to remove paper that caused a paper jam in the finisher.

No.	Name	Description
8	**Jam Removal Dial** [FS5]	Turn this dial to remove paper that caused a paper jam in the finisher.
9	**Punch Scrap Box**	Remove this box when disposing of punch scraps.
10	**Staple Cartridge**	Pull out this cartridge from the punch kit when clearing a staple jam or replacing a staple cartridge.
11	**Guide Lever** [FS4]	Turn this lever to clear a paper jam.
12	**Dial**	Turn this dial to move the stapler to the front side when clearing a staple jam.
13	**Handle** [SD2]	Turn this handle to clear a paper jam.
14	**Saddle Stitcher**	Pull out this unit when clearing a paper jam or staple jam or when replacing a staple cartridge.
15	**Jam Removal Dial** [SD3]	Turn this dial to remove paper that caused a paper jam in the finisher.
16	**Handle** [SD1]	Hold this handle when moving the **Saddle Stitcher** in and out.
17	**Transport Unit** [FS3]	Open this cover when removing paper that caused a paper jam in the transport unit.
18	**Punch Kit**	Punches printed sheets for filing by installing the Punch Kit in the finisher.
19	**Top Cover**	Open this cover when removing paper that caused a paper jam in the finisher.
20	**Staple Cartridge**	Pull out this cartridge from the **Saddle Stitcher** when clearing a staple jam or replacing a staple cartridge.
21	**Handle** [SD5]	Turn this handle to clear a paper jam.
22	**Handle** [SD4]	Turn this handle to clear a paper jam.
23	**Folding Output Tray**	Used to collect printed pages by the fold/bind function.

3.10 Large Capacity Unit LU-301/LU-204





No.	Name	Description
1	**Upper Door**	Open this door to load paper.
2	**Paper Take-Up Roller**	Rotates when paper is fed to this machine.
3	**Paper-Empty Indicator**	Flashes in orange when a tray runs low on paper, and lights up when a paper-out occurs.
4	**Release Lever**	Press this key to disconnect the **Large Capacity Unit** from the main unit.

4 Checking the Available Paper Types

4 Checking the Available Paper Types

Paper Type	Paper weight	Paper capacity
Thin paper	13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)	**Tray 1**: 500 sheets **Tray 2**: 500 sheets **Paper Feed Cabinet PC-110**: 500 sheets **Paper Feed Cabinet PC-210**: 500 sheets **Paper Feed Cabinet PC-410**: 2500 sheets **Large Capacity Unit LU-301**: 3000 sheets **Large Capacity Unit LU-204**: 2500 sheets
Plain paper Recycled paper Single Side Only*1 Special Paper*2 Letterhead*3 Colored Paper*4 User Paper 1*5 User Paper 2*5	15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)	**Bypass Tray**: 150 sheets **Tray 1**: 500 sheets **Tray 2**: 500 sheets **Paper Feed Cabinet PC-110**: 500 sheets **Paper Feed Cabinet PC-210**: 500 sheets **Paper Feed Cabinet PC-410**: 2500 sheets **Large Capacity Unit LU-301**: 3000 sheets **Large Capacity Unit LU-204**: 2500 sheets
Thick 1 User Paper 3*5	24-3/16 lb to 31-15/16 lb (91 g/m^2 to 120 g/m^2)	**Bypass Tray**: 20 sheets **Tray 1**: 150 sheets **Tray 2**: 150 sheets **Paper Feed Cabinet PC-110**: 150 sheets **Paper Feed Cabinet PC-210**: 150 sheets **Paper Feed Cabinet PC-410**: 1000 sheets **Large Capacity Unit LU-301**: 2500 sheets **Large Capacity Unit LU-204**: 2000 sheets
Thick 1+ User Paper 4*5	32-3/16 lb to 41-3/4 lb (121 g/m^2 to 157 g/m^2)	**Bypass Tray**: 20 sheets **Tray 1**: 150 sheets **Tray 2**: 150 sheets **Paper Feed Cabinet PC-110**: 150 sheets **Paper Feed Cabinet PC-210**: 150 sheets **Paper Feed Cabinet PC-410**: 1000 sheets **Large Capacity Unit LU-301**: 1750 sheets **Large Capacity Unit LU-204**: 1450 sheets
Thick 2 User Paper 5*5	42 lb to 55-5/8 lb (158 g/m^2 to 209 g/m^2)	**Bypass Tray**: 20 sheets **Tray 1**: 150 sheets **Tray 2**: 150 sheets **Paper Feed Cabinet PC-110**: 150 sheets **Paper Feed Cabinet PC-210**: 150 sheets **Paper Feed Cabinet PC-410**: 1000 sheets **Large Capacity Unit LU-301**: 1550 sheets **Large Capacity Unit LU-204**: 1250 sheets
Thick 3 User Paper 6*5	55-7/8 lb to 68-1/8 lb (210 g/m^2 to 256 g/m^2)	**Bypass Tray**: 20 sheets **Tray 1**: 150 sheets **Tray 2**: 150 sheets **Paper Feed Cabinet PC-110**: 150 sheets **Paper Feed Cabinet PC-210**: 150 sheets **Paper Feed Cabinet PC-410**: 1000 sheets **Large Capacity Unit LU-301**: 1300 sheets **Large Capacity Unit LU-204**: 1000 sheets
Thick 4	68-3/8 lb to 79-13/16 lb (257 g/m^2 to 300 g/m^2)	**Bypass Tray**: 20 sheets
Transparency	-	**Bypass Tray**: 20 sheets
Postcards (4 × 6 (A6 Card))	-	**Bypass Tray**: 20 sheets
Envelope	-	**Bypass Tray**: 10 sheets
Label sheets	-	**Bypass Tray**: 20 sheets
Index paper	-	**Bypass Tray**: 20 sheets
Banner paper	33-13/16 lb to 55-7/8 lb (127 g/m^2 to 210 g/m^2)	**Bypass Tray**: 10 sheets

*1 Paper where you do not print on both sides (for example, when something is already printed on the front side).

*2 Fine and other special paper.

*3 Paper where company names, preset text, and others are already printed.

*4 Colored paper.

*5 Paper that is registered as one of frequently used paper types.

For paper weight and media adjustment settings, contact your service representative.

NOTICE

Paper other than plain paper, such as transparency and colored paper, is called special paper. When loading special paper into the paper tray, specify the correct paper type. Otherwise, it may result in a paper jam or image error.

Tips

- For paper weight and media adjustment settings, contact your service representative.
- When printing on the reverse side of a sheet printed on one side, load paper into the **Bypass Tray**, and select [Duplex 2nd Side] in the paper setting, improving a reduction of the printing image quality. [Duplex 2nd Side] is available when plain paper, Thick 1, Thick 1+, Thick 2, Thick 3, or Thick 4 is selected to be printed from the **Bypass Tray**.
- If thin paper, Thick 3, or Thick 4 is selected for printing, resulting image quality may not be as expected.
- Do not use thin paper thinner than 5-1/2 × 8-1/2 (A5).
- When loading Thick 4 in the paper tray, place 8-1/2 × 11 or A4 in the direction, and 11 × 17 or A3 in the direction.
- When loading transparency in the paper tray, place them in the direction.
- Transparency can only be printed in black.
- The **Mount Kit MK-730** is required to use banner paper for printing.

5 Checking the Specifications of This Machine

5 Checking the Specifications of This Machine

Type of this machine

Item	Specifications
Type	Scanner, printer, desktop, or stand-alone (with **Desk**, **Paper Feed Cabinet**, or **LCT (Built-in)** installed)
Document holder	Stationary (mirror scanning)
Photo conductor	OPC
Light source	LED light-source illumination
Copy system	Laser electrostatic copying
Developing system	Dry 2-component HMT developing system
Fusing system	Belt fusing

Paper

Type		Paper feed port (Maximum number of sheets to be loaded)			Automatic Duplex Unit
		Tray 1	Tray 2	Bypass Tray	
Allowable paper types					
	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2))	○ (500 sheets)	○ (500 sheets)	-	○
	Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	○ (500 sheets)	○ (500 sheets)	○ (150 sheets)	○
	Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))				
	Special paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))				
	Letterhead (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))				
	Colored Paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))				
	1-sided special paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	○ (500 sheets)	○ (500 sheets)	○ (150 sheets)	-
	Thick 1 (24-3/16 lb to 31-15/16 lb (91 g/m^2 to 120 g/m^2))	○ (150 sheets)	○ (150 sheets)	○ (20 sheets)	○

Type		Paper feed port (Maximum number of sheets to be loaded)			Automatic Duplex Unit
		Tray 1	Tray 2	Bypass Tray	
	Thick 1+ (32-3/16 lb to 41-3/4 lb (121 g/m^2 to 157 g/m^2))	○ (150 sheets)	○ (150 sheets)	○ (20 sheets)	○
	Thick 2 (42 lb to 55-5/8 lb (158 g/m^2 to 209 g/m^2))	○ (150 sheets)	○ (150 sheets)	○ (20 sheets)	○
	Thick 3 (55-7/8 lb to 68-1/8 lb (210 g/m^2 to 256 g/m^2))	○ (150 sheets)	○ (150 sheets)	○ (20 sheets)	○
	Thick 4 (68-3/8 lb to 79-13/16 lb (257 g/m^2 to 300 g/m^2))	-	-	○ (20 sheets)	-
	Transparency	-	-	○ (20 sheets)	-
	Postcards (4 × 6 (A6 Card))	-	-	○ (20 sheets)	○
	Index paper	-	-	○ (20 sheets)	-
	Envelope	-	-	○ (10 sheets)	-
	Label sheets	-	-	○ (10 sheets)	-
	Banner paper (33-13/16 lb to 55-7/8 lb (127 g/m^2 to 210 g/m^2))	-	-	○ (10 sheets)	-
Allowable sizes		11 × 17 ◪ to 8-1/2 × 11 ◪/▯, A3 ◪ to A5 ◪, B4 ◪, B5 ◪/▯, 8 × 13 ◪[*1], 16K ▯, 8K ◪	12-1/4 × 18 ◪ to 8-1/2 × 11 ◪/▯, SRA3 ◪, A3 ◪ to A5 ◪, B4 ◪, B5 ◪/▯, 8 × 13 ◪[*1], 16K ▯, 8K ◪	12 × 18 ◪ to 5-1/2 × 8-1/2 ◪/▯, 4 × 6 ◪, Banner paper[*2], SRA3 ◪, A3 ◪ to A6 ◪, A6 card ◪, B4 ◪ to B6 ◪, 8 × 13 ◪[*1], 16K ◪/▯, 8K ◪ Width: 3-9/16 inches to 12-5/8 inches (90 mm to 320 mm), Length: 5-1/2 to 47-1/4 inches (139.7 mm to 1200 mm)	12-1/4 × 18 ◪ to 5-1/2 × 8-1/2 ◪, 4 × 6 ◪, SRA3 ◪, A3 ◪ to A6 ◪, A6 card ◪, B4 ◪ to B6 ◪, ISO-B5 ◪/▯, 8 × 13 ◪[*1], 16K ◪/▯, 8K ◪ Width: 3-15/16 to 12-5/8 inches (100 mm to 320 mm), Length: 5-13/16 to 18 inches (148 mm to 457.2 mm)

[*1] There are six types of foolscap: 8-1/2 × 13-1/2 ◪, 220 mm × 330 mm ◪, 8-1/2 × 13 ◪, 8-1/4 × 13 ◪, 8-1/8 × 13-1/4 ◪, and 8 × 13 ◪. Any one of these sizes is selectable. For details, contact your service representative.

[*2] Banner paper
Width: 8-1/4 to 11-11/16 inches (210 mm to 297 mm)
Length: 18 to 47-1/4 inches (457.3 mm to 1200 mm)

Mechanical specifications

Item	Specifications
Power supply	**d-Color MF552/452** AC 120 V, 16 A, 60 Hz (AC 220 V to 240 V, 9.0 A, 50/60 Hz) **d-Color MF362/282/222** AC 120 V, 12 A, 60 Hz (AC 220 V to 240 V, 8.0 A, 50/60 Hz)
Max. power consumption	**d-Color MF552/452** 1920 W (2000 W) **d-Color MF362/282/222** 1500 W (1580 W)
Size	**d-Color MF552/452** Width 24-3/16 inches (615 mm) × Depth 26-15/16 inches (685 mm) × Height 36-1/4 inches (921 mm) **d-Color MF362/282/222** Width 24-3/16 inches (615 mm) × Depth 26-15/16 inches (685 mm) × Height 30-11/16 inches (779 mm)
Machine occupation dimensions	**d-Color MF552/452** Width 36-7/8 inches (937 mm) × Depth 49-1/16 inches (1246 mm) × Height 51-7/16 inches (1307 mm) This shows the dimensions when the **Paper Tray** is pulled out and the **Tray Extension** of the **Bypass Tray** and **ADF** are opened. **d-Color MF362/282/222** Width 36-7/8 inches (937 mm) × Depth 47-13/16 inches (1214 mm) × Height 30-11/16 inches (779 mm) This shows the dimensions when the **Paper Tray** is pulled out and the **Tray Extension** of the **Bypass Tray** are opened.
Weight	**d-Color MF552/452** Approx. 220-7/16 lb (100 kg) **d-Color MF362/282/222** Approx. 185-3/16 lb (84 kg)

Dual Scan Document Feeder (only for d-Color MF552/452)

Item	Specifications	
Original feed function	1-sided original, 2-sided original, mixed original	
Original types	1-Sided	Thin paper (9-5/16 lb to 13-1/16 lb (35 g/m^2 to 49 g/m^2)) Plain paper (13-5/16 lb to 43-3/8 lb (50 g/m^2 to 163 g/m^2))
	2-Sided	Plain paper (13-5/16 lb to 43-3/8 lb (50 g/m^2 to 163 g/m^2))
	Mixed original	Plain paper (13-5/16 lb to 34-1/16 lb (50 g/m^2 to 128 g/m^2))
Original Size	1-Sided/2-Sided Originals: 11 × 17 ▭ to 5-1/2 × 8-1/2 ▯, A3 ▭ to A6 ▭	
Original loading capacity	1-Sided/2-Sided Originals: Max. 100 sheets (21-1/4 lb (80 g/m^2))	
Scan speed	80 sheets/min. (At letter (8-1/2 × 11 ▯) or A4 ▯ scanning)	
Power supply	Supply from machine	
Max. power consumption	60 W or less	
Size	Width 24-1/16 inches (611 mm) × Depth 19-13/16 inches (503 mm) × Height 5-9/16 inches (142 mm)	
Weight	Approx. 26-7/16 lb (12 kg)	

Operating environment

Item	Specifications
Operating environment conditions	Temperature: 50 to 86 °F (10 to 30 °C) Humidity: 15 to 85%RH

Common specifications

Item	Specifications
Warm-up time	Period from the time sub power off mode is released to the time this machine is ready for printing while the **Main Power Switch** is turned on (room temperature: 73.4 °F (23 °C)) **d-Color MF552** Full color: 25 sec. or less Black: 23 sec. or less **d-Color MF452** 25 sec. or less **d-Color MF362** 20 sec. or less **d-Color MF282/222** 18 sec. or less Period from the time **Main Power Switch** was turned on to the time this machine is ready for printing (room temperature: 73.4 °F (23 °C)) **d-Color MF552** Full color: 25 sec. or less Black: 23 sec. or less **d-Color MF452** 25 sec. or less **d-Color MF362/282/222** 20 sec. or less Warm-up time may vary depending on the operating environment and usage.
Fast copy (print) time (At letter (8-1/2 × 11 ▯) or A4 ▯ printing)	**d-Color MF552** Full color: 4.6 sec. or less Black: 4.1 sec. or less **d-Color MF452** Full color: 5.5 sec. or less Black: 4.6 sec. or less **d-Color MF362** Full color: 6.9 sec. or less Black: 5.3 sec. or less **d-Color MF282** Full color: 7.7 sec. or less Black: 5.9 sec. or less **d-Color MF222** Full color: 8.3 sec. or less Black: 6.9 sec. or less
Memory size (hard disk capacity)	2048 MB (250 GB)

Copy function

Item	Specifications	
Resolution	Scanning	600 dpi × 600 dpi
	Writing	1200 dpi × 1200 dpi
Originals	Type	Sheets, books (two-page spread), three-dimensional objects
	Size	Max. 11 × 17 ◪ (A3 ◪)
	Weight	4-7/16 lb (2 kg)
Image chipping width	Top edge	3/16 inch (4.2 mm) (Thin paper: 3/16 inches (5.0 mm))
	Bottom edge	1/8 inch (3.0 mm)
	Right edge	1/8 inch (3.0 mm)
	Left edge	1/8 inch (3.0 mm)
Maximum printing area	For paper 12-1/4 × 18 inches (311.1 mm × 457.2 mm): 11-15/16 × 17-11/16 inches (302.6 mm × 448.7 mm)	
Copy speed (At letter (8-1/2 × 11 ▯) or A4 ▯ printing)	Full Color (Simplex/Duplex)	**d-Color MF552** Plain paper: 55 sheets/min. (When feeding paper from the **Bypass Tray**: 51 sheets/min.) Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 28 sheets/min. (When feeding paper from the **Bypass Tray**: 27 sheets/min.) **d-Color MF452** Plain paper: 45 sheets/min. (When feeding paper from the **Bypass Tray**: 44 sheets/min.) Thick 1/Thick1+: 28 sheets/min. Thick 2/Thick 3/Thick 4: 23 sheets/min. **d-Color MF362** Plain paper: 36 sheets/min. Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 18 sheets/min. **d-Color MF282** Plain paper: 28 sheets/min. Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 14 sheets/min. **d-Color MF222** Plain paper: 22 sheets/min. Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 14 sheets/min.
	Black (Simplex/Duplex)	**d-Color MF552** Plain paper: 55 sheets/min. (When feeding paper from the **Bypass Tray**: 53 sheets/min.) Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 28 sheets/min. (When feeding paper from the **Bypass Tray**: 27 sheets/min.) **d-Color MF452** Plain paper: 45 sheets/min. Thick 1/Thick1+: 28 sheets/min. Thick 2/Thick 3/Thick 4: 23 sheets/min. **d-Color MF362** Plain paper: 36 sheets/min. Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 18 sheets/min. **d-Color MF282** Plain paper: 28 sheets/min. Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 14 sheets/min. **d-Color MF222** Plain paper: 22 sheets/min. Thick 1/Thick1+/Thick 2/Thick 3/Thick 4: 14 sheets/min.

Item	Specifications	
Copy magnification	Full size: 100.0% +/- 0.5% Enlarge size: Inch area: 121.4%, 129.4%, 154.5%, 200.0% Centimeter area: 115.4%, 122.4%, 141.4%, 200.0% Reduce size: Inch area: 78.5%, 73.3%, 64.7%, 50.0% Centimeter area: 86.6%, 81.6%, 70.7%, 50.0% Manual: 25.0 to 400.0% (in 0.1% steps)	
Number of continuous copies	1 to 9999 sheets	
Density adjustment	Copy density	Manual density adjustment (9 levels)
	Background density	Manual or automatic density adjustment (9 levels), Background removal
Number of sheets loaded in **Output Tray**	Plain paper	250 sheets
	Thin paper	100 sheets
	Thick	10 sheets
	Transparency	1 sheet

Scanner functions

Item	Specifications	
Scannable range	Max. 11 × 17 ▭ (A3 ▭)	
Originals	Type	Sheets, books (two-page spread), three-dimensional objects
	Size	Max. 11 × 17 ▭ (A3 ▭)
	Weight	4-7/16 lb (2 kg)
Scannable paper size	11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, 4 × 6 ▭/▯, A3 ▭ to B6 ▭, A6 Card ▭/▯, 8 × 13 ▭ *1, 16K ▭/▯, 8K ▭ *1 There are six types of foolscap: 8-1/2 × 13-1/2 ▭, 220 mm × 330 mm ▭, 8-1/2 × 13 ▭, 8-1/4 × 13 ▭, 8-1/8 × 13-1/4 ▭, and 8 × 13 ▭. Any one of these sizes can be selected. (Default: 8 × 13 ▭) For details, contact your service representative.	
Image chipping width	Top edge	3/16 inches (4.2 mm) (Thin paper: 3/16 inches (5.0 mm))
	Bottom edge	1/8 inch (3.0 mm)
	Right edge	1/8 inch (3.0 mm)
	Left edge	1/8 inch (3.0 mm)
Scanning resolution	Push: 200 dpi/300 dpi/400 dpi/600 dpi Pull: 100 dpi/200 dpi/300 dpi/400 dpi/600 dpi	
Function	E-Mail Settings FTP PC (SMB) User Box Web DAV Scan server sending PC (DPWS)	
Special functions	Mixed Original, Thin Paper, Z-Folded Original, Banner Original, Despeckle, Blank Original Removal, Binding Position, Erase, Center Erase, Book Original, Book Separation, Original Direction, Bleed Removal, Stamp/Composition, Date/Time, Header/Footer, Sharpness	

Item	Specifications	
SMB	Supported Operating Systems	Windows Windows XP Home/Professional Windows Server 2003, each edition Windows Vista, each edition Windows Server 2008 The DFS function supports only the environment configured by the following Windows server operating systems. Windows Server 2003, each edition Windows Server 2008 The direct hosting function supports the following operating systems. Windows XP Windows Vista (The IPv6 function is only supported in Windows Vista.) Samba 2.2.x series 3.x series Novell Netware Netware 6.5 (SP6 or later)
Compatible computer	Computer	Conforms to the OS specifications.
	Memory	Conforms to the OS specifications.
	Network	Computer with correct TCP/IP protocol settings
	Hard disk	Requires free memory space of 20 MB or more.
TWAIN	Driver	TWAIN Driver, HDD TWAIN Driver
	Supported Operating Systems	Windows XP Home Edition (SP3 or later) Windows XP Professional (SP3 or later) Windows XP Professional x64 Edition (SP3 or later) Windows Vista Home Basic (SP2 or later)* Windows Vista Home Premium (SP2 or later)* Windows Vista Ultimate (SP2 or later)* Windows Vista Business (SP2 or later)* Windows Vista Enterprise (SP2 or later)* Windows 7 Home Basic* Windows 7 Home Premium* Windows 7 Professional* Windows 7 Enterprise* Windows 7 Ultimate* * Supports the 32-bit (x86) or 64-bit (x64) environment.

Printer function

Item	Specifications	
Type	Built-in printer controller	
Memory size	2048 MB (Common to the main unit)	
Hard disk size	250 GB (Common to the main unit)	
I/F	Ethernet (1000Base-T/100Base-TX/10Base-T) USB 2.0/1.1	
Printer language	PCL5e/c Emulation PCL XL ver. 2.1 Emulation PostScript 3 Emulation (3016) XPS ver.1.0	
Resolution	1200 dpi × 1200 dpi	
Image chipping width	Top edge	3/16 inch (4.2 mm) (Thin paper: 3/16 inches (5.0 mm))
	Bottom edge	3/16 inch (4.2 mm)
	Right edge	3/16 inch (4.2 mm)
	Left edge	3/16 inch (4.2 mm)
Maximum printing area	For paper 12-1/4 × 18 inches (311.1 mm × 457.2 mm): 11-15/16 × 17-11/16 inches (302.6 mm × 448.7 mm)	
Number of sheets loaded in **Output Tray**	Plain paper	250 sheets
	Thin paper	100 sheets
	Thick	10 sheets
	Transparency	1 sheet
Fonts (Built-in fonts)	<PCL> European 80 fonts Japanese HG Mincho L HG P Mincho L HG Gothic B HG P Gothic B <PostScript 3 Emulation> European 137 fonts Japanese HG Mincho L HG Gothic B	
Compatible computer	IBM PC and its compatible machine Macintosh (PowerPC, Intel Processor: Mac OS X 10.4/10.5/10.6/10.7 only)	

Item	Specifications	
Printer driver	PCL Driver (PCL driver)	Windows XP Home Edition (Service Pack 1 or later) Windows XP Professional (Service Pack 1 or later) Windows Server 2003, Standard Edition (Service Pack 1 or later) Windows Server 2003, Enterprise Edition (Service Pack 1 or later) Windows Server 2003 R2, Standard Edition Windows Server 2003 R2, Enterprise Edition Windows XP Professional ×64 Edition Windows Server 2003, Standard ×64 Edition Windows Server 2003, Enterprise ×64 Edition Windows Server 2003 R2, Standard ×64 Edition Windows Server 2003 R2, Enterprise ×64 Edition Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows Server 2008 R2 Standard Windows Server 2008 R2 Enterprise Windows 7 Home Basic * Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports the 32-bit (×86) or 64-bit (×64) environment.

Item	Specifications	
Printer driver	PostScript Driver (PS driver)	Windows XP Home Edition (Service Pack 1 or later) Windows XP Professional (Service Pack 1 or later) Windows Server 2003, Standard Edition (Service Pack 1 or later) Windows Server 2003, Enterprise Edition (Service Pack 1 or later) Windows Server 2003 R2, Standard Edition Windows Server 2003 R2, Enterprise Edition Windows XP Professional ×64 Edition Windows Server 2003, Standard ×64 Edition Windows Server 2003, Enterprise ×64 Edition Windows Server 2003 R2, Standard ×64 Edition Windows Server 2003 R2, Enterprise ×64 Edition Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows Server 2008 R2 Standard Windows Server 2008 R2 Enterprise Windows 7 Home Basic * Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports the 32-bit (×86) or 64-bit (×64) environment.
	XPS Driver (XPS driver)	Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows Server 2008 R2 Standard Windows Server 2008 R2 Enterprise Windows 7 Home Basic * Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports the 32-bit (×86) or 64-bit (×64) environment.
	PostScript PPD driver (PS-PPD)	Mac OS 9.2 or later Mac OS X 10.2.8/10.3/10.4/10.5/10.6/10.7

Item	Specifications	
Fax driver	PCL Driver (PCL driver)	Windows XP Home Edition (Service Pack 1 or later) Windows XP Professional (Service Pack 1 or later) Windows Server 2003, Standard Edition (Service Pack 1 or later) Windows Server 2003, Enterprise Edition (Service Pack 1 or later) Windows Server 2003 R2, Standard Edition Windows Server 2003 R2, Enterprise Edition Windows XP Professional ×64 Edition Windows Server 2003, Standard ×64 Edition Windows Server 2003, Enterprise ×64 Edition Windows Server 2003 R2, Standard ×64 Edition Windows Server 2003 R2, Enterprise ×64 Edition Windows Vista Business * Windows Vista Enterprise * Windows Vista Home Basic * Windows Vista Home Premium * Windows Vista Ultimate * Windows Server 2008 Standard * Windows Server 2008 Enterprise * Windows Server 2008 R2 Standard Windows Server 2008 R2 Enterprise Windows 7 Home Basic * Windows 7 Home Premium * Windows 7 Professional * Windows 7 Enterprise * Windows 7 Ultimate * * Supports the 32-bit (×86) or 64-bit (×64) environment.

Network function

Item	Specifications
Type	Embedded
Frame type	Ethernet 802.2 Ethernet 802.3 Ethernet II Ethernet SNAP
Cable type	1000Base-T/100Base-TX/10Base-T
Connector	RJ-45
Bluetooth performance *1	Communication protocol: Bluetooth 2.0 + EDR Supported profile: OPP/BPP/SPP
Supported protocols	TCP/IP(IPv4/IPv6), BOOTP, ARP, ICMP, DHCP, DHCPv6, AutoIP, SLP, SNMP, FTP, LPR/LPD, RAW Socket, SMB over TCP/IP, IPP, HTTP, POP, SMTP, LDAP, NTP, SSL, IPX, AppleTalk, Bonjour, NetBEUI, WebDAV, DP-WS, S/MIME, IPsec, DNS, DynamicDNS, LLMNR, LLTD, SSDP, SOAP
Supported LDAP Servers	OpenLDAP 2.1x, Active Directory, Exchange 5.5/2000/2003, Sun Java Directory Server(Netscape/iPlanet Directory Server), Novell NetWare 5.x/6.x NDS, Novell eDirectory 8.6/8.7, LotusDominoServer(5.x/6.x)*2
Supported LDAP protocol	LDAP Protocol Version 3 (Version 2 is not supported)
Supported SSL versions	SSL3.0 and TLS1.0 (An x.509 certificate must be installed on the server.)
Multiprotocol	Auto detection
Settings	Saved to non-volatile memory

*1 Requires **Local Interface Kit EK-607**.

*2 When using the Lotus Domino Server, and setting the search condition to "OR", the function will not work correctly.

6 Checking the Specifications of Optional Components

6 Checking the Specifications of Optional Components

Fax function (Fax Kit FK-511)

Item	Specifications
Memory size	2048 MB (standard)
Number of stored pages	10,000 pages (when an approx. 700-character original with the 8-1/2 × 11 (A4) size is stored with [Fine] resolution)
Applicable lines	Subscribed telephone lines (including facsimile communication networks) PBX lines
Scanning line density	Ultra Fine: 600 dpi × 600 dpi Super Fine: 16 dot/mm × 15.4 line/mm, 400 dpi × 400 dpi Fine: 8 dot/mm × 7.7 line/mm, 200 dpi × 200 dpi Normal: 8 dot/mm × 3.85 line/mm Faxes are transmitted at any of the above scanning line densities according to the capabilities of a recipient's machine.
Baud rate (G3)	2400/4800/7200/9600/12000/14400/16800/19200/21600/24000/26400/28800/31200/33600 bps
Maximum scanning size	**Original Glass**: 11-11/16 inches × 17 inches (297 mm × 431.8 mm) (11 × 17 (A3) size) **ADF**: 11-11/16 inches × 39-3/8 inches (297 mm × 1000 mm) (Normal, Fine, Super Fine) 11-11/16 inches × 17 inches (297 mm × 432 mm) (Ultra Fine, Manual Transmission)
Maximum recording size	11-11/16 inches × 16-9/16 inches (297 mm × 420 mm) (11 × 17 (A3) size) An original of 39-3/8 inches (1000 mm) or more is printed based on the page separation setting.

Reverse Automatic Document Feeder DF-624

Item	Specifications	
Original feed function	1-sided original, 2-sided original, mixed original	
Original types	1-Sided	Thin paper (9-5/16 lb to 13-1/16 lb (35 g/m^2 to 49 g/m^2)) Plain paper (13-5/16 lb to 34-1/16 lb (50 g/m^2 to 128 g/m^2))
	2-Sided	Plain paper (13-5/16 lb to 34-1/16 lb (50 g/m^2 to 128 g/m^2))
	Mixed original	Plain paper (13-5/16 lb to 34-1/16 lb (50 g/m^2 to 128 g/m^2))
Original Size	1-Sided/2-Sided Originals: 11 × 17 ▭ to 5-1/2 × 8-1/2 ▯, A3 ▭ to B6 ▭, Postcards (4 × 6 (A6 Card))	
Original loading capacity	1-Sided/2-Sided Originals: Max. 100 sheets (21-1/4 lb (80 g/m^2))	
Scan speed	78 sheets/min. (At letter (8-1/2 × 11 ▯) or A4 ▯ scanning)	
Power supply	Supply from machine	
Max. power consumption	60 W or less	
Size	Width 24-1/16 inches (611 mm) × Depth 19-13/16 inches (503 mm) × Height 5 inches (127 mm)	
Weight	Approx. 19-13/16 lb (9 kg)	

Dual Scan Document Feeder DF-701

Item	Specifications	
Original feed function	1-sided original, 2-sided original, mixed original	
Original types	1-Sided	Thin paper (9-5/16 lb to 13-1/16 lb (35 g/m^2 to 49 g/m^2)) Plain paper (13-5/16 lb to 43-3/8 lb (50 g/m^2 to 163 g/m^2))
	2-Sided	Plain paper (13-5/16 lb to 43-3/8 lb (50 g/m^2 to 163 g/m^2))
	Mixed original	Plain paper (13-5/16 lb to 34-1/16 lb (50 g/m^2 to 128 g/m^2))
Original Size	1-Sided/2-Sided Originals: 11 × 17 ▭ to 5-1/2 × 8-1/2 ▯, A3 ▭ to B6 ▭, Postcards (4 × 6 (A6 Card))	
Original loading capacity	1-Sided/2-Sided Originals: Max. 100 sheets (21-1/4 lb (80 g/m^2))	
Scan speed	80 sheets/min. (At letter (8-1/2 × 11 ▯) or A4 ▯ scanning)	
Power supply	Supply from machine	
Max. power consumption	60 W or less	
Size	Width 24-1/16 inches (611 mm) × Depth 19-13/16 inches (503 mm) × Height 5-9/16 inches (142 mm)	
Weight	Approx. 26-7/16 lb (12 kg)	

Paper Feed Cabinet PC-110

Item	Specifications
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Single Side Only (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Special paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Letterhead (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Colored paper (60 g/m^2 to 90 g/m^2), Thick 1 (24-3/16 lb to 31-15/16 lb (91 g/m^2 to 120 g/m^2)), Thick 1+ (32-3/16 lb to 41-3/4 lb (121 g/m^2 to 157 g/m^2)), Thick 2 (42 lb to 55-5/8 lb (158 g/m^2 to 209 g/m^2)), Thick 3 (55-7/8 lb to 68-1/8 lb (210 g/m^2 to 256 g/m^2))
Paper Size	11 × 17 ▭ to 8-1/2 × 11 ▭/▯, A3 ▭ to A5 ▭, B4 ▭, B5 ▭/▯, 8 × 13 ▭*1, 16K ▯, 8K ▭ *1 There are six types of foolscap: 8-1/2 × 13-1/2 ▭, 220 mm × 330 mm ▭, 8-1/2 × 13 ▭, 8-1/4 × 13 ▭, 8-1/8 × 13-1/4 ▭, and 8 × 13 ▭. Any one of these sizes is selectable. For details, contact your service representative.
Number of sheets able to be loaded	**Tray3** Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 150 sheets
Power supply	Supply from machine
Max. power consumption	15 W or less
Size	Width 24-3/16 inches (615 mm) × Depth 25-11/16 inches (652 mm) × Height 11-9/16 inches (294 mm)
Weight	Approx. 48-1/2 lb (22 kg)
Unit configuration	Paper tray, 1 level

Paper Feed Cabinet PC-210

Item	Specifications
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Single Side Only (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Special paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Letterhead (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Colored paper (60 g/m^2 to 90 g/m^2), Thick 1 (24-3/16 lb to 31-15/16 lb (91 g/m^2 to 120 g/m^2)), Thick 1+ (32-3/16 lb to 41-3/4 lb (121 g/m^2 to 157 g/m^2)), Thick 2 (42 lb to 55-5/8 lb (158 g/m^2 to 209 g/m^2)), Thick 3 (55-7/8 lb to 68-1/8 lb (210 g/m^2 to 256 g/m^2))
Paper Size	11 × 17 ▭ to 8-1/2 × 11 ▭/▯, A3 ▭ to A5 ▭, B4 ▭, B5 ▭/▯, 8 × 13 ▭*1, 16K ▯, 8K ▭ *1 There are six types of foolscap: 8-1/2 × 13-1/2 ▭, 220 mm × 330 mm ▭, 8-1/2 × 13 ▭, 8-1/4 × 13 ▭, 8-1/8 × 13-1/4 ▭, and 8 × 13 ▭. Any one of these sizes is selectable. For details, contact your service representative.
Number of sheets able to be loaded	Top tray (**Tray3**) Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 150 sheets Bottom tray (**Tray4**) Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 150 sheets
Power supply	Supply from machine
Max. power consumption	15 W or less
Size	Width 24-3/16 inches (615 mm) × Depth 25-11/16 inches (652 mm) × Height 11-9/16 inches (294 mm)
Weight	Approx. 52-15/16 lb (24 kg)
Unit configuration	Paper tray, 2 levels

Paper Feed Cabinet PC-410

Item	Specifications
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Single Side Only (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Special paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Letterhead (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Colored paper (60 g/m^2 to 90 g/m^2), Thick 1 (24-3/16 lb to 31-15/16 lb (91 g/m2 to 120 g/m^2)), Thick 1+ (32-3/16 lb to 41-3/4 lb (121 g/m2 to 157 g/m^2)), Thick 2 (42 lb to 55-5/8 lb (158 g/m^2 to 209 g/m^2)), Thick 3 (55-7/8 lb to 68-1/8 lb (210 g/m^2 to 256 g/m^2))
Paper Size	11 × 17 ▭ to 8-1/2 × 11 ▭/▯, A3 ▭ to A5 ▭, B4 ▭, B5 ▭/▯, 8 × 13 ▭*1, 16K ▯, 8K ▭
Number of sheets able to be loaded	Thin paper, Plain paper, Recycled paper, 1-sided special paper, Special paper, Letterhead, Colored paper: 2500 sheets, Thick 1, Thick 1+, Thick 2, Thick 3: 1000 sheets
Power supply	Supply from machine
Max. power consumption	45 W or less
Size	Width 24-3/16 inches (615 mm) × Depth 25-11/16 inches (652 mm) × Height 11-9/16 inches (294 mm)
Weight	Approx. 50-11/16 lb (23 kg)

Large Capacity Unit LU-301

Item	Specifications
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick 1 (24-3/16 lb to 31-15/16 lb (91 to 120 g/m^2)), Thick1+ (32-3/16 lb to 41-3/4 lb (121 to 157 g/m^2)), Thick 2 (42 lb to 55-5/8 lb (158 to 209 g/m^2)), Thick 3 (55-7/8 lb to 68-1/8 lb (210 to 256 g/m^2)
Paper Size	8-1/2 × 11 ▯, A4 ▯
Number of sheets able to be loaded	Plain paper: 3000 sheets (21-1/4 lb (80 g/m^2))/3300 sheets (17 lb (64 g/m^2)), Thick 1: 2500 sheets, Thick 1+: 1750 sheets, Thick 2: 1550 sheets, Thick 3: 1300 sheets
Power supply	Supply from machine
Max. power consumption	22 W or less
Size	Width 14-7/16 inches (367 mm) × Depth 20-13/16 inches (528 mm) × Height 15-15/16 inches (405 mm)
Weight	Approx. 39-11/16 lb (18 kg)

Large Capacity Unit LU-204

Item	Specifications
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick 1 (24-3/16 lb to 31-15/16 lb (91 to 120 g/m^2)), Thick1+ (32-3/16 lb to 41-3/4 lb (121 to 157 g/m^2)), Thick 2 (42 lb to 55-5/8 lb (158 to 209 g/m^2)), Thick 3 (55-7/8 lb to 68-1/8 lb (210 to 256 g/m^2)
Paper Size*	12 × 18 ▭, 11 × 17 ▭ to 8-1/2 × 11 ▭/▯, SRA3 ▭, A3 ▭, B4 ▭, A4 ▭/▯
Number of sheets able to be loaded	Plain paper: 2500 sheets (21-1/4 lb (80 g/m^2))/2750 sheets (17 lb (64 g/m^2)), Thick 1: 2000 sheets, Thick 1+: 1450 sheets, Thick 2: 1250 sheets, Thick 3: 1000 sheets
Power supply	Supply from machine
Max. power consumption	22 W or less
Size	Width 24-3/4 inches (629 mm) × Depth 21-7/8 inches (556 mm) × Height 15-15/16 inches (405 mm)
Weight	Approx. 55-1/8 lb (25 kg)

* The maximum number of loadable sheets for each paper size is 2500 sheets (21-1/4 lb (80 g/m^2)) or 2750 sheets (17 lb (64 g/m^2)).

Finisher FS-535

Item	Specifications
Output tray	**Output Tray 1** (Sub tray), **Output Tray 2** (Main tray)
Feeding function	Group, Sort, Offset Group*, Offset Sort*, Staple* * Fed into **Output Tray 2**
Paper Type	Group, Sort: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)). Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick (24-3/16 lb to 79-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Envelope, Label sheets, Letterhead, Index paper, Banner paper* * Fed into **Output Tray 1** Offset Group, Offset Sort: Thin paper (13-13/16 lb 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick (24-3/16 lb to 79-13/16 lb (91 g/m^2 to 300 g/m^2)) Staple: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick (24-3/16 lb to 55-5/8 lb (91 g/m^2 to 209 g/m^2))
Paper Size	<**Output Tray 1**> 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, 4 × 6 ▭, SRA3 ▭, A3 ▭ to A6 ▭, B4 ▭ to B6 ▭, A6 Card ▭, 16K ▭/▯, 8K ▭ Width: 3-9/16 inches to 12-5/8 inches (90 mm to 320 mm), Length: 5-1/2 to 47-1/4 inches (139.7 mm to 1200 mm) <**Output Tray 2**> Group/Sort: 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, 4 × 6 ▭, SRA3 ▭, A3 ▭ to A6 ▭, B4 ▭ to B6 ▭, A6 Card ▭, 16K ▭/▯, 8K ▭ Width: 5-1/8 to 12-5/8 inches (130 mm to 320 mm), Length: 5-1/2 to 18 inches (139.7 mm to 457.2 mm) Offset Group/Offset Sort: 12-1/4 × 18 ▭, 11 × 17 ▭ to 7-1/4 × 10-1/2 ▭/▯, SRA3 ▭, A3 ▭ to A5 ▯, B4 ▭ to B6 ▭, 16K ▭/▯, 8K ▭ Width: 7-3/16 to 12-1/4 inches (182 mm to 311.15 mm), Length: 5-7/8 to 18 inches (148.5 mm to 457.2 mm) Staple: 11 × 17 ▭ to 7-1/4 × 10-1/2 ▭/▯, A3 ▭ to A5 ▯, B4 ▭ to B6 ▯, 16K ▭/▯, 8K ▭ Width: 7-3/16 inches to 12 inches (182 mm to 304.8 mm), Length: 5-7/8 inches to 18 inches (148.5 mm to 457.2 mm)

Item	Specifications			
Paper loading capacity <**Output Tray 1**>	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))			200 sheets
	Thick (24-3/16 lb to 79-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Envelope, Label sheets, Letterhead, Index paper			20 sheets
	Banner paper			Not specified
	Load height: 1-1/2 inches (38 mm)			
Paper loading capacity <**Output Tray 2**>	Group/ Sort	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))	8-1/2 × 11 ◪, A4 ◪ or less	3000 sheets
			8-1/2 × 14 ◪, B4 ◪ or more	1500 sheets
			5-1/2 × 8-1/2 ◪, A5 ◪ or more	500 sheets
		Thick (24-3/16 lb to 79-13/16 lb (91 g/m^2 to 300 g/m^2))		100 sheets
		Transparency, postcard (4 × 6 (A6 Card)), envelope, label sheet, letterhead, index paper		Not specified

Item	Specifications				
Paper loading capacity <**Output Tray 2**>	Offset Group/Offset Sort	Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))		8-1/2 × 11 ◪, A4 ◪ or less	3000 sheets
				8-1/2 × 14 ◪, B4 ◪ or more	1500 sheets
				B5 ◨ or less	500 sheets
		Thick (24-3/16 lb to 79-13/16 lb (91 g/m^2 to 300 g/m^2))			Not specified
	Staple	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))	8-1/2 × 11 ◪, A4 ◪ or less	2 to 9 sheets	200 copies
				10 to 20 sheets	50 copies
				21 to 30 sheets	30 copies
				31 to 40 sheets	25 copies
				41 to 50 sheets	20 copies
				51 to 60 sheets	15 copies
				61 to 100 sheets	10 copies
			8-1/2 × 14 ◪, B4 ◪ or more	2 to 9 sheets	50 copies
				10 to 20 sheets	50 copies
				21 to 30 sheets	30 copies
				31 to 40 sheets	25 copies
				41 to 50 sheets	20 copies
				51 to 60 sheets	15 copies
				61 to 100 sheets	10 copies
		Thick (24-3/16 lb to 55-5/8 lb (91 g/m^2 to 209 g/m^2))			Not specified
	Load height: 14-1/2 inches (369 mm)				
Maximum number of stapled sheets Thin paper, Plain paper, Recycled paper (13-13/16 lb to 21-1/4 lb (52 g/m^2 to 80 g/m^2))	100 sheets				
Shift amount	1-3/16 inches (30 mm)				
Power supply	Supply from machine				
Max. power consumption	105 W or less (when all applicable options are installed)				
Size	Width: 28-1/2 inches (724 mm) (When tray is pulled out: 34-11/16 inches (881 mm)) × Width: 27-15/16 inches (709.5 mm) × Height: 40-3/8 inches (1025 mm)				
Weight	Approx. 140 lb (63.5 kg)				

Item	Specifications
Consumables	Staple MS-10A For EH-1028 (Product No. 1002 manufactured by MAX) (5,000 staples included) × 1 unit

Saddle Stitcher SD-512

Item	Specifications			
Feeding function	Center Staple & Fold, Half-Fold (Belt conveyer feeding)			
Paper Type	Fold, Staple: Thin Paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick (24-3/16 lb to 55-5/8 lb (91 g/m^2 to 209 g/m^2))* * Can be used only as a cover page. Half-Fold:Thin Paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick (24-3/16 lb to 55-5/8 lb (91 g/m^2 to 209 g/m^2))* * Can be used by only one sheet. Tri-Fold: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))			
Paper Size	Center Staple, Center Fold: 12-1/4 × 18 ◪, 11 × 17 ◪ to 8-1/2 × 11 ◪, A3 ◪, A4 ◪, B4 ◪, 8K ◪ Width: 8-1/4 to 12-5/8 inches (210 mm to 320 mm), Length: 11 to 18 inches (279.4 mm to 457.2 mm) Tri-Fold: 8-1/2 × 11 ◪, A4 ◪, 16K ◪			
Maximum number of sheets that can be center-stapled	20 sheets Example number of stapled sheets: Front cover (13-13/16 lb to 55-5/8 lb (52 g/m^2 to 209 g/m^2)) 1 sheet + Thin paper, Plain paper (13-13/16 lb to 23-15/16 lb (52 g/m^2 to 90 g/m^2) 19 sheets			
Maximum number of folded sheets	Half-Fold: 5 sheets Tri-Fold: 3 sheets			
Capacity of **Folding Output Tray**	Center folding	When the length of paper is 13 inches (330 mm) or more	1 to 5 sheets stapled	35 sets
			6 to 10 sheets stapled	30 sets
			11 to 20 sheets stapled	15 sets
		When the length of paper is 13 inches (330 mm) or less	1 to 5 sheets stapled	35 sets
			6 to 10 sheets stapled	25 sets
			11 to 20 sheets stapled	15 sets
	Half-Fold	When the length of paper is 13 inches (330 mm) or more	1 to 5 sheets folded	35 sets
		When the length of paper is less than 13 inches (330 mm)	1 to 5 sheets folded	35 sets
	Tri-Fold	One sheet folded		50 sets
		2 sheets folded		40 sets
		3 sheets folded		30 sets
Size	Width 9-7/16 inches (239 mm) × Depth 22-13/16 inches (579 mm) × Height 21 inches (534 mm)			

Item	Specifications
Weight	Approx. 51-3/8 lb (23.3 kg), Approx. 7-1/16 lb (3.2 kg) (output tray)
Consumables	Staple SK-602 For EH-280 (Product No. 505 manufactured by MAX) (5000 staples included) × 1 unit
Power supply	Supplied from **Finisher FS-535**.

Punch Kit PK-521

Item	Specifications
Number of punch holes	2 holes, 3 holes, 4 holes
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick (24-3/16 lb to 79-13/16 lb (91 g/m^2 to 300 g/m^2))
Paper Size	11 × 17 ▭ to 7-1/4 × 10-1/2 ▭/▯, A3 ▭ to A4 ▭/▯, B4 ▭ to B5 ▭/▯, 16K ▭/▯, 8K ▭
Power supply	Supplied from **Finisher FS-535**.
Size	Width 5-3/4 inches (146.2 mm) × Depth 25-3/16 inches (639.2 mm) × Height 9-3/16 inches (233.8 mm)
Weight	Approx. 9-15/16 lb (4.5 kg)

Job Separator JS-602

Item	Specifications		
Output tray	**Output Tray 3**		
Feeding function	Group, Sort		
Paper Type	Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))		
Paper Size	11 × 17 ▭ to 5-1/2 × 8-1/2 ▭, A3 ▭ to A5 ▭, SRA4 ▭, 16K ▭/▯, 8K ▭ Width: 5-1/2 inches to 7-3/16 inches (139.7 mm to 182 mm), Length: 11-11/16 inches to 17 inches (297 mm to 431.8 mm)		
Paper loading capacity	Plain paper 21-1/4 lb (80 g/m^2)	8-1/2 × 11 ▭, A4 ▭	100 sheets
		Other than 8-1/2 × 11 ▭, A3 ▭	50 sheets
Size	Width 13-7/16 inches (341 mm) × Depth 21-1/8 inches (537 mm) × Height 5-7/8 inches (149 mm)		
Weight	Approx. 3-7/8 lb (1.75 kg)		

Z Folding Unit ZU-606

Item	Specifications
Number of punch holes	2 holes, 3 holes, 4 holes
Paper type when hole punching is selected	Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))
Paper size when hole punching is selected	11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, A3 ▭ to A5 ▭/▯, 16K ▭/▯, 8K ▭
Fold type	Z-Fold
Paper type when Z-folding is selected	Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2))
Paper size when Z-folding is selected	11 × 17 ▭, 8-1/2 × 14 ▭, A3 ▭, B4 ▭ , 8K ▭
Power supply	Supply from electrical outlet
Size	Width 6-5/8 inches (169 mm) × Depth 26 inches (660 mm) × Height 40-7/16 inches (1027.5 mm)
Weight	Approx. 99-3/16 lb (45 kg)

Post Inserter PI-505

Item	Specifications	
Configuration	2 trays (upper and lower)	
Cover paper type	Plain paper (15-15/16 lb to 23-15/16 lb (60 to 90 g/m^2)), Thick (24-3/16 lb to 55-5/8 lb (91 g/m^2 to 209 g/m^2))	
Cover paper size	<Upper Tray> 8-1/2 × 11 ▭/▯, 7-1/4 × 10-1/2 ▯, 5-1/2 × 8-1/2 ▯, A4 ▭/▯ to A5 ▯, B5 ▭/▯, 16K ▭/▯ Width: 7-3/16 inches to 12-1/4 inches (182 mm to 311.1 mm) Length: 5-1/2 inches to 11-11/16 inches (139 mm to 297 mm) <Lower Tray> 12 × 18 ▭, 11 × 17 ▭, 8-1/2 × 14 ▭, 8-1/2 × 11 ▭/▯, 7-1/4 × 10-1/2 ▭/▯, 5-1/2 × 8-1/2 ▯, A3 ▭ to A5 ▯, B4, B5 ▭/▯, SRA4 ▭, 16K ▭/▯, 8K ▭ Width: 7-3/16 inches to 12-1/4 inches (182 mm to 311.1 mm) Length: 5-1/2 inches to 18 inches (139 mm to 457.2 mm)	
Paper loading capacity	Plain paper 21-1/4 lb (80 g/m^2)	200 sheets for each tray
Power supply	Supplied from **Finisher FS-535**.	
Size	Width 20-1/8 inches (511 mm) × Depth 25 inches (635 mm) × Height 8-11/16 inches (220 mm)	
Weight	Approx. 23-1/8 lb (10.5 kg)	

Finisher FS-534

Item	Specifications	
Output tray	**Output Tray 1** (Sub tray), **Output Tray 2** (Main tray), **Folding Output Tray** (Top of RU unit)	
Feeding function	Group, Sort, Offset Group, Offset Sort, Staple	
Paper Type	Group, Sort: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card))*, Envelope, Label sheets, Letterhead, Index paper*, Banner paper* * Fed into **Output Tray 1** Offset Group/Offset Sort: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)) Staple: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (3-9/16 lb to 8-1/4 lb (91 g/m^2 to 209 g/m^2))	
Paper Size	<**Output Tray 1**> 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, 4 × 6 ▭, A3 ▭ to A6 ▭, A6 Card, B4 ▭ to B6 ▭, 16K ▭/▯, 8K ▭ Width: 3-9/16 inches to 12-5/8 inches (90 mm to 320 mm), Length: 5-1/2 to 47-1/4 inches (139.7 mm to 1200 mm) <**Output Tray 2**> Group/Sort: 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, A3 ▭ to A6 ▭, B4 ▭ to B6 ▭, 16K ▭/▯, 8K ▭ Width: 5-1/8 to 12-5/8 inches (130 mm to 320 mm), Length: 5-1/2 to 18 inches (139.7 mm to 457.2 mm) Offset Group/Offset Sort: 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, SRA3 ▭, A3 ▭ to A5 ▯, B4 ▭ to B6 ▭, 16K ▭/▯, 8K ▭ Width: 7-3/16 to 12-5/8 inches (182 mm to 320 mm), Length: 5-7/8 to 18 inches (148.5 mm to 457.2 mm) Staple: 11 × 17 ▭ to 7-1/4 × 10-1/2 ▭/▯, A3 ▭ to A5 ▯, B4 ▭ to B5 ▭/▯, 16K ▭/▯, 8K ▭ Width: 7-3/16 to 11-11/16 inches (182 to 297 mm), Length: 5-7/8 to 17 inches (148.5 mm to 431.8 mm) <**Folding Output Tray**> 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, A3 ▭ to A6 ▭, B4 ▭ to B6 ▭, 16K ▭/▯, 8K ▭ Width: 3-9/16 to 12-5/8 inches (90 mm to 320 mm), Length: 5-1/2 to 18 inches (139.7 mm to 457.2 mm)	
Paper loading quality <**Output Tray 1**>	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	200 sheets
	Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Envelope, Label sheets, Letterhead, Index paper	20 sheets
	Banner paper	Not specified
	Load height: 1-3/8 inches (35 mm)	

Item	Specifications			
Paper loading quality <**Output Tray 2**>	Group/Sort	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	8-1/2 × 11 ▭, A4 ▭ or less, B5 ▭/▯ or more	3000 sheets
			8-1/2 × 14 ▭, B4 ▭ or more	1500 sheets
			5-1/2 × 8-1/2 ▭/▯, A5 ▭/▯ or more	500 sheets
		Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Envelope, Label sheets, Letterhead, Index paper		20 sheets
Paper loading quality <**Output Tray 2**>	Offset Group/Offset Sort	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	8-1/2 × 11 ▭/▯, A4 ▭/▯, B5 ▯	3000 sheets
			8-1/2 × 14 ▭, A4 ▭, B5 ▭, B4 ▭ or more	1500 sheets
			B5 ▯ or less	500 sheets
		Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2))		20 sheets
	Staple	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	2 to 9 sheets	100 copies
			10 to 20 sheets	50 copies
			21 to 30 sheets	30 copies
			31 to 40 sheets	25 copies
			41 sheets or more	20 copies
		Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2))		20 copies
	Load height: 14-3/4 inches (375 mm) (8-1/2 × 11 ▭, A4 ▭ or less)/7-3/8 inches (187.5 mm) (8-1/2 × 14 ▭, B4 ▭ or more)			
Paper loading quality <**Folding Output Tray**>	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))			100 sheets
	Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Envelope, Label sheets, Letterhead, Index paper			20 sheets
	Load height: 7/8 inches (22.5 mm)			
Maximum number of stapled sheets	Thin paper, Plain paper, Recycled paper (13-13/16 lb to 23-15/16 lb (52 g/m^2 to 90 g/m^2)): 50 sheets Thick (24-3/16 lb to 31-15/16 lb (91 g/m^2 to 120 g/m^2)): 30 sheets Thick (32-3/16 lb to 55-5/8 lb (121 g/m^2 to 209 g/m^2)): 15 sheets Example number of stapled sheets: Thick (55-5/8 lb (209 g/m^2)) 2 sheets + Plain paper (23-15/16 lb (90 g/m^2)) 48 sheets			
Shift amount	13/16 inches (20 mm)			
Power supply	Supply from machine			

Item	Specifications
Max. power consumption	56 W or less
Size	Width 20-13/16 inches (528 mm), 25-7/8 inches* (658 mm*) × Depth: 25-1/4 inches (641 mm) × Height 40-1/4 inches (1023 mm), 41-15/16 inches* (1065 mm*) The numbers marked by * indicate the values applied when the tray is pulled output
Weight	Approx. 88-3/16 lb (40 kg)
Consumables	Staple SK-602 For EH-590 (Product No. 505 manufactured by MAX) (5000 staples included) × 1 unit

Saddle Stitcher SD-511

Item	Specifications		
Feeding function	Center Staple & Fold, Half-Fold		
Paper Type	Center Staple, Staple: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (3-9/16 lb to 8-1/4 lb (91 g/m^2 to 209 g/m^2))* * Can be used only as a cover page. Half-Fold: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Pain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (3-9/16 lb to 8-1/4 lb (91 g/m^2 to 209 g/m^2))* * Can be used by only one sheet. Tri-Fold: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))		
Paper Size	Center Staple/Center Fold: 12-1/4 × 18 ◪, 11× 17 ◪, 8-1/2 × 14 ◪, 8-1/2 × 11 ◪, A3 ◪, A4 ◪, B4 ◪, 8K ◪ Width: 8-1/4 to 12-5/8 inches (210 mm to 320 mm), Length: 11 to 18 inches (279.4 mm to 457.2 mm) Tri-Fold: 8-1/2 × 11 ◪, A4 ◪, 16K ◪		
Maximum number of sheets that can be center-stapled	20 sheets Example number of stapled sheets: Front cover (13-13/16 lb to 55-5/8 lb (52 g/m^2 to 209 g/m^2)) 1 sheet + Thin paper, Plain paper (13-13/16 lb to 23-15/16 lb (52 g/m^2 to 90 g/m^2) 19 sheets		
Maximum number of folded sheets	Half-Fold: 5 sheets, Tri-Fold: 3 sheets		
Capacity of **Folding Output Tray**	Number of center-stapled or half-folded sheets	1 to 3 sheets	20 copies
		4 to 10 sheets	10 copies
		11 to 20 sheets	5 copies
	Number of tri-folded sheets	1 sheet	30 copies
		2 to 3 sheets	10 copies
Size	Width 8-1/4 inches (210 mm) × Depth 21-7/8 inches (556 mm) × Height 21-9/16 inches (547 mm)		
Weight	Approx. 52-15/16 lb (24 kg)		
Consumables	Staple SK-602 For EH-280 (Product No. 505 manufactured by MAX) (5000 staples included) × 1 unit		
Power supply	Supplied from **Finisher FS-534**.		

Punch Kit PK-520

Item	Specifications
Number of punch holes	2 holes, 3 holes, 4 holes
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))
Paper Size	11 × 17 ▭ to 7-1/4 × 10-1/2 ▭/▯, A3 ▭ to A4 ▭/▯, B4 ▭ to B5 ▭/▯, 16K ▭/▯, 8K ▭
Power supply	Supplied from **Finisher FS-534**.
Size	Width 2-3/8 inches (61 mm) × Depth 19-3/8 inches (492 mm) × Height 5-9/16 inches (142 mm)
Weight	Approx. 3-15/16 lb (1.8 kg)

Finisher FS-533

Item	Specifications
Output tray	**Output Tray 1**
Feeding function	Group, Sort, Offset Group, Offset Sort, Staple
Paper Type	Group, Sort: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (24-3/16 lb to 79-13/16lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4×6 (A6 Card)), Envelope, Label sheets, Letterhead, Banner paper, Index paper Offset Group, Offset Sort: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (24-3/16 lb to 79-13/16lb (91 g/m^2 to 300 g/m^2)) Staple: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (24-3/16 lb to 55-5/8 lb (91 g/m^2 to 209 g/m^2))
Paper Size	Group/Sort: 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, 4 × 6 ▭, SRA3 ▭, A3 ▭ to A6 ▭, B4 ▭ to B6 ▭, A6 Card ▭, 16K ▭/▯, 8K ▭ Width: 3-9/16 inches to 12-5/8 inches (90 mm to 320 mm), Length: 5-1/2 to 47-1/4 inches (139.7 mm to 1200 mm) Offset Group/Offset Sort: 12-1/4 × 18 ▭, 11 × 17 ▭, 8-1/2 × 11 ▭/▯, 7-1/4 × 10-1/2 ▯, A3 ▭ to A4 ▭, 16K ▯, 8K ▭ Width: 8-1/4 to 11-11/16 inches (210 mm to 297 mm), Length: 7-3/16 to 17 inches (182 mm to 431.8 mm) Staple: 11 × 17 ▭, 8-1/2 × 14 ▭, 8-1/2 × 11 ▭/▯, 7-1/4 × 10-1/2 ▯, A3 ▭ to A4 ▭, 16K ▯, 8K ▭ Width: 8-1/4 to 11-11/16 inches (210 mm to 297 mm), Length: 7-3/16 to 17 inches (182 mm to 431.8 mm)

Item	Specifications			
Paper loading capacity <**Output Tray 1**>	Group, Sort, Offset Group, Offset Sort	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	8-1/2 × 11 ◪, A4 ◪ or less	500 sheets
			8-1/2 × 14 ◪, B4 ◪ or more	250 sheets
		Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Envelope, Label sheets, Letterhead, Banner paper, Index paper		10 sheets
Paper loading capacity <**Output Tray 1**>	Staple	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	8-1/2 × 11 ◪, A4 ◪ or less	50 copies
			8-1/2 × 14 ◪, B4 ◪ or more	30 copies
		Thick (91 g/m^2 to 209 g/m^2)		Not specified
	Load height: 2-7/8 inches (73 mm) (8-1/2 × 11 ◪, A4 ◪ or less)/1-7/16 inches (36 mm) (8-1/2 × 14 ◪, B4 ◪ or more)			
Maximum number of stapled sheets	8-1/2 × 11 ◪, A4 ◪ or less: 50 sheets 8-1/2 × 14 ◪, B4 ◪ or more: 30 sheets Example number of stapled sheets: Thick (55-5/8 lb (209 g/m^2)) 2 sheets + Plain paper (23-15/16 lb (90 g/m^2)) 48 sheets			
Shift amount	1-3/16 inches (30 mm)			
Power supply	Supply from machine			
Max. power consumption	40 W or less			
Size	Width 18-5/8 inches (472.5 mm) × Depth 23 inches (583.5 mm) × Height 7-11/16 inches (194.7 mm)			
Weight	Approx. 26-7/16 lb (12 kg)			
Consumables	Staple SK-602 For EH-590 (Product No. 505 manufactured by MAX) (5000 staples included) × 1 unit			

Punch Kit PK-519

Item	Specifications
Number of punch holes	2 holes, 3 holes, 4 holes
Paper Type	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (24-3/16 lb to 41-3/4 lb (91 g/m^2 to 157 g/m^2))
Paper Size	11 × 17 ▭ to 7-1/4 × 10-1/2 ▭/▯, A3 ▭ to A4 ▭/▯, B4 ▭ to B5 ▭/▯
Power supply	Supplied from **Finisher FS-533**.
Size	Width 4-5/16 inches (110.2 mm) × Depth 19-1/16 inches (483.5 mm) × Height 8 inches (203.2 mm)
Weight	Approx. 7-1/16 lb (3.2 kg)

Job Separator JS-506

Item	Specifications	
Output tray	**Output Tray 1**, **Output Tray 2** (Shift tray)	
Feeding function	Group, Sort, Offset Group*, Offset Sort* * Fed into **Output Tray 2**	
Paper Type	Group, Sort: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card))*, Envelope, Label sheets, Letterhead, Index paper*, Banner paper* * Fed into **Output Tray 2** Offset Group, Offset Sort: Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2))	
Paper Size	<**Output Tray 1**> 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, SRA3 ▭, A3 ▭ to A6 ▭, B4 ▭ to B6 ▭, 16K ▭/▯, 8K ▭ Width: 3-9/16 to 12-5/8 inches (90 mm to 320 mm), Length: 5-1/2 to 18 inches (139.7 mm to 457.2 mm) <**Output Tray 2**> Group/Sort: 12-1/4 × 18 ▭, 11 × 17 ▭ to 5-1/2 × 8-1/2 ▭/▯, 4 × 6 ▭, SRA3 ▭, A3 ▭ to A6 ▭, A6 Card ▭, B4 ▭ to B6 ▭, 16K ▭/▯, 8K ▭ Width: 3-9/16 inches to 12-5/8 inches (90 mm to 320 mm), Length: 5-1/2 to 47-1/4 inches (139.7 mm to 1200 mm) Offset Group/Offset Sort: 11 × 17 ▭ to 7-1/4 × 10-1/2 ▭/▯, A3 ▭ to A4 ▭/▯, B4 ▭ to B5 ▭/▯, 16K ▭/▯, 8K ▭ Width: 7-3/16 to 12-1/4 inches (182 mm to 311.15 mm), Length: 5-7/8 to 18 inches (148.5 mm to 457.2 mm)	
Paper loading quality <**Output Tray 1**>	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	100 sheets
	Thick (24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Envelope, Label sheets	Not specified
	Load height: 7/8 inches (22.5 mm)	

Item	Specifications		
Paper loading quality <**Output Tray 2**>	Group/Sort	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	150 sheets
		(24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2)), Transparency, Postcard (4 × 6 (A6 Card)), Label sheets	20 sheets
		Envelope	10 sheets
		Banner paper	1 sheet
Paper loading quality <**Output Tray 2**>	Offset Group/Offset Sort	Thin paper (13-13/16 lb to 15-11/16 lb (52 g/m^2 to 59 g/m^2)), Plain paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2)), Recycled paper (15-15/16 lb to 23-15/16 lb (60 g/m^2 to 90 g/m^2))	150 sheets
		(24-3/16 lb to 11-13/16 lb (91 g/m^2 to 300 g/m^2))	Not specified
	Load height: 1-15/16 inches (49.9 mm)		
	Shift amount: 1-3/16 inches (30 mm)		
Power supply	Supply from machine		
Max. power consumption	24 W or less		
Size	Width 19-3/8 inches (491.9 mm) × Depth 18-1/2 inches (469.5 mm) × Height 8-15/16 inches (226.5 mm)		
Weight	Approx. 3-5/16 lb (1.5 kg)		

Authentication Unit AU-102

Item	Specifications	
Name	Biometric Authentication Unit AU-102	
Biometric sensor system	Transmission-type optical system	
Verification time	Approx. 1 sec. or less	
Interface	USB 2.0	
Dimensions	Width 2-5/16 inches (59 mm) × Depth 3-1/4 inches (82 mm) × Height 2-15/16 inches (74 mm)	
Weight	Approx. 3/16 lb (96 g) (Excluding USB cable)	
Max. power consumption (mA)	DC 5 V 500 mA	
System conditions (operating state)	Ambient temperature	41 to 95 °F (5 to 35 °C)
	Humidity	20% to 80% (No dew condensation)
System conditions (non-operating state)	Ambient temperature	32 to 122 °F (0 to 50 °C)
	Humidity	20% to 80% (No dew condensation)
Compatible computer	Computer	PC-AT compatible machine
	CPU	Conforms to the recommended operating environment of your operating system.
	Memory (RAM)	Conforms to the recommended operating environment of your operating system.
	Free space on hard disk	600MB or more
	Monitor	800 × 600 pixels or more
	Network	Must be configured with the correct TCP/IP or IPX/SPX protocol settings.
	Application	Microsoft Internet Explorer 6.0 (SP1) or later Windows XP: Microsoft .NET Framework 2.0 (SP2 or later) Windows Vista: Microsoft .NET Framework 3.5 (SP1 or later) Windows 7 is equipped with .NET Framework required to operate Data Administrator as the standard.
	Interface	Conforms to USB 2.0.
Supported Operating Systems	For the supported operating systems, refer to Readme.	

Authentication Unit AU-201

Item	Specifications	
Name	Card Authentication Unit AU-201	
Dimensions	Width 3-5/8 inches (92 mm) × Depth 2-1/2 inches (64 mm) × Height 5/8 inches (16 mm)	
Weight	Approx. 1/4 lb (120 g)	
Power supply	Power feeding from USB port	
System conditions (operating state)	Ambient temperature	32 to 104 °F (0 to 40 °C)
	Humidity	20% to 85% (No dew condensation)
System conditions (non-operating state)	Ambient temperature	-4 to 122 °F (-20 to 50 °C)
	Humidity	20% to 85% (No dew condensation)
Radio law division	Self-guided read-write communication facility	
Applicable card	FeliCa, TypeA, FCF, FCF campus, FeliCa (private card), SSFC, HID (Prox) (number of bits: 26bit, 34bit, 35bit, 37bit, 40bit), HID (iClass), ExtraCardType_100 to ExtraCardType_255	
Acquired standard	VCCI class B	
Compatible computer	Computer	PC-AT compatible machine
	CPU	Conforms to the recommended operating environment of your operating system.
	Memory (RAM)	Conforms to the recommended operating environment of your operating system.
	Free space on hard disk	600MB or more
	Monitor	800 × 600 pixels or more
	Network	Must be configured with the correct TCP/IP or IPX/SPX protocol settings.
	Application	Microsoft Internet Explorer 6.0 (SP1) or later Windows XP: Microsoft .NET Framework 2.0 (SP2 or later) Windows Vista: Microsoft .NET Framework 3.5 (SP1 or later) Windows 7 is equipped with .NET Framework required to operate Data Administrator as the standard.
	Interface	Conforms to USB 1.1.
Supported Operating Systems	For the supported operating systems, refer to Readme.	

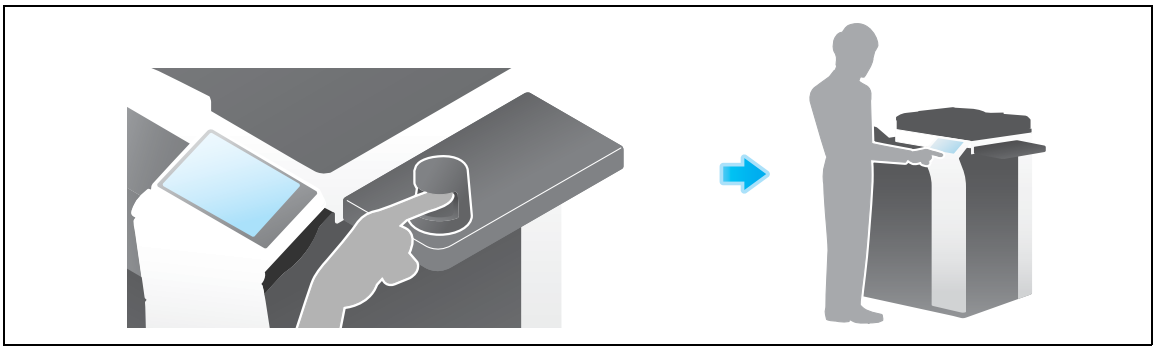
7 Using the Authentication Unit (Biometric Type)

7 Using the Authentication Unit (Biometric Type)

7.1 Authentication Unit (Biometric Type)

The **Authentication Unit** (Biometric Type) is a "biometrics (biometric authentication) system" that scans finger vein patterns to perform personal authentication. It offers a system that makes it difficult for someone to masquerade as an authorized user, realizing enhanced security.

If this machine provides the user authentication, you can log in to this machine or execute a print job using the biometric authentication function.



Reference

For details on the user authentication, refer to [User's Guide: Web Management Tool].

7.2 Status of Authentication Unit

The status of the authentication unit is indicated by status indicator LEDs and beep sounds.

Status indicator LEDs	Status
Lit up green	Ready state, or scanning or authentication is completed
Flash in green	During authentication
Lit up red	Scanning or authentication failed
Unlit	The authentication unit is not recognized

Beep sound	Status
One short blip sound	Scanning is completed, scanning test was successful or authentication is completed
Two short blip sounds repeated three times	Scanning failed
Two short blip sounds	Authentication failed

7.3 Operations Required to Use This Function (for the Administrator)

7.3.1 Configuring Authentication Settings of This Machine

First, configure the authentication function of this machine (ON (MFP)).

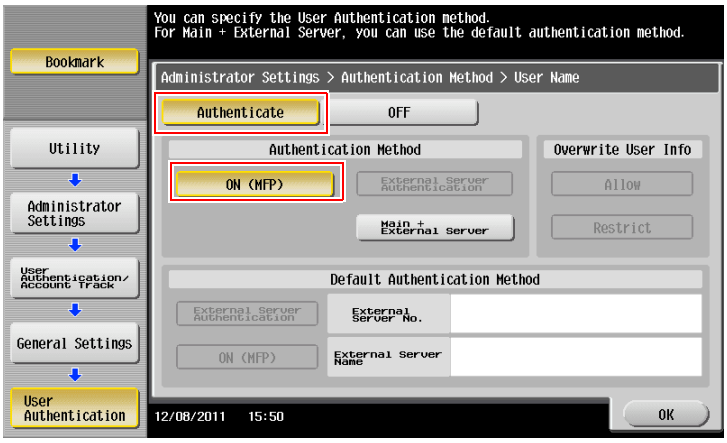
Tips

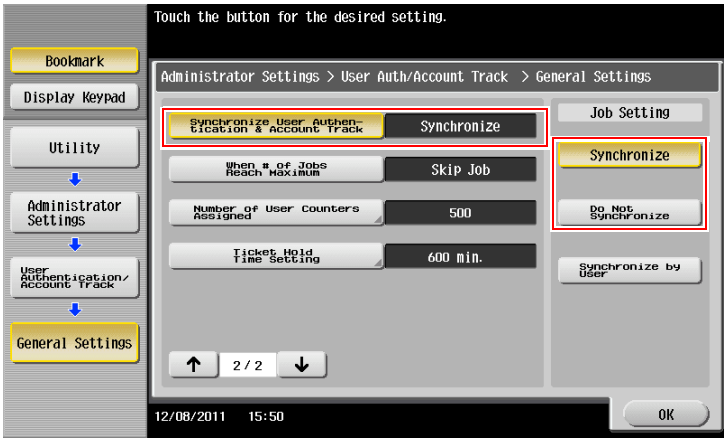
- This machine does not support external server authentication.

1 Tap [Utility] - [Administrator Settings] - [User Authentication/Account Track] - [General Settings] - [User Authentication].

2 Set [General Settings] to [ON (MFP)], then tap [OK].

➔ When combining account track settings, press [Utility] - [Administrator Settings] - [User Authentication/Account Track] - [General Settings], and set [Synchronize User Authentication & Account Track] to [Synchronize]. When separately managing the user authentication and account track, set to [Do Not Synchronize].





3 Tap [OK].

4 Select [Yes], then tap [OK].

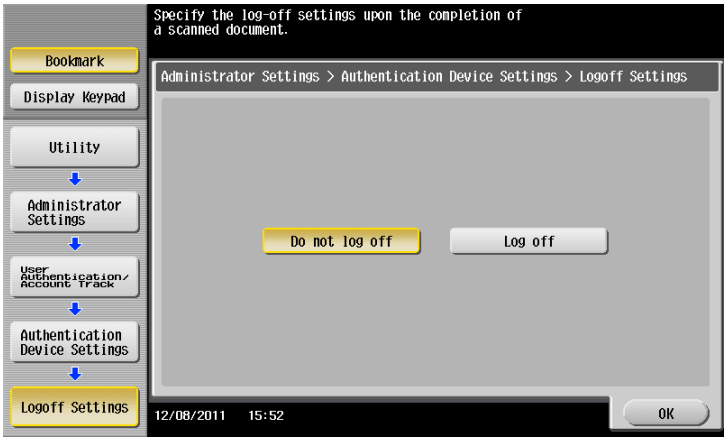
5 Press [Authentication Device Settings] - [General Settings] - [Bio Authentication], and configure the following setting.

Settings	Description
[Beep Sound]	Select whether to give a "blip" sound when the finger vein pattern is scanned successfully. [ON] is selected by default.
[Operation Settings]	Select how to log in to this machine. • [1-to-many authentication]: Simply place his or her finger to log in. • [1-to-1 authentication]: Enter the user name and position his or her finger to log in. [1-to-many authentication] is specified by default.

6 Tap [OK].

7 If desired, tap [Logoff Settings] to configure automatic logout settings.

➔ Select whether to automatically log out when original scanning has been completed (default: [Do not log off]).



8 Tap [Close] to exit the authentication settings of this machine.

7.3.2 Registering User Authentication Information

After the authentication function of this machine (ON (MFP)) has been configured, register user authentication information.

The following two methods are available to register information.

- Connect the authentication unit to this machine, and use the **Touch Panel** to register information.
- Connect the authentication unit to a computer, and use **Data Administrator** through a computer to register information.

This section explains how to connect the authentication unit to this machine and use the **Touch Panel** to register information. For how to use **Data Administrator** for registration, refer to page 7-14.

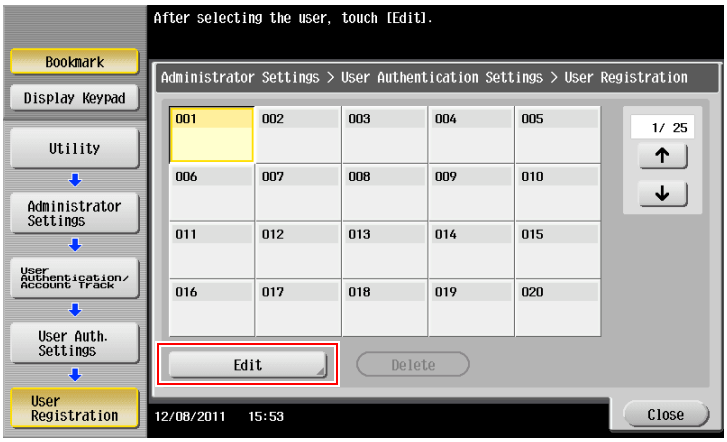
NOTICE

User information is stored in the hard disk of this machine. If any changes are made to the general settings of this machine or to the way the hard disk is formatted, the registered user information is erased.

✔ Before starting this procedure, connect the authentication unit to this machine.

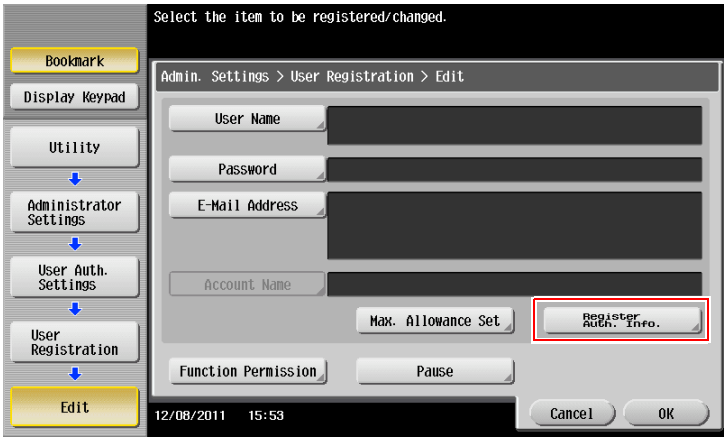
1 Tap [Utility] - [Administrator Settings] - [User Authentication/Account Track] - [User Authentication Settings] - [User Registration].

2 Select a desired registration number, then tap [Edit].



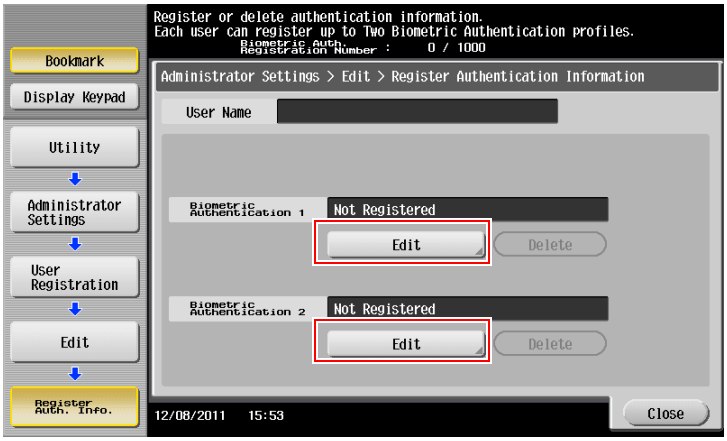
3 Enter the user name and password, and tap [Register Auth. Info.].

➔ To restrict functions applicable to users, select Function Permission.



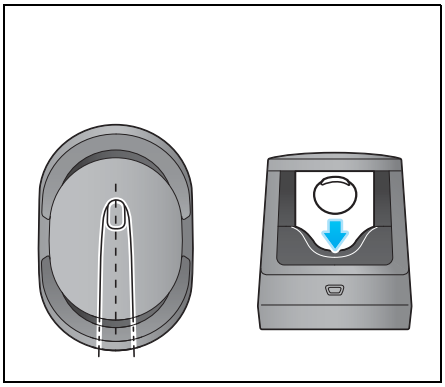
4 Tap [Edit].

➔ Up to two authentication information items can be registered for each user. For [Bio Authentication 1] and [Bio Authentication 2], register separate fingers. You should register two authentication information items in case you injure your finger.



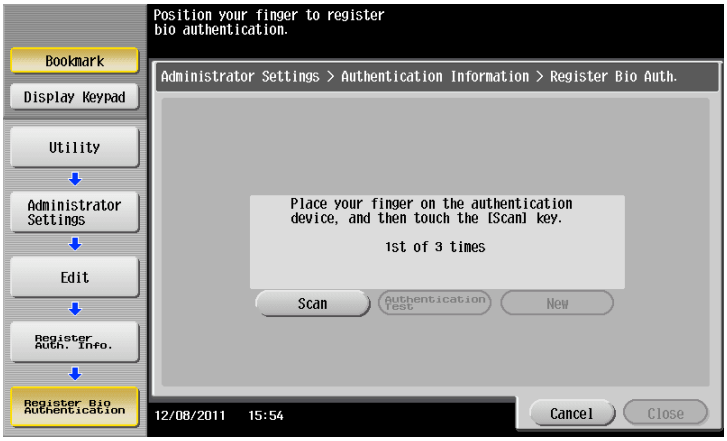
5 Place your finger on the authentication unit to scan the finger vein pattern.

➔ Place your finger straight so that your finger cushion lightly touches the hollow and protuberance part of the scanning section.



➔ Scan a finger vein pattern three times. Place the same finger on the authentication unit again after scanning just once, and tap [Scan].

➔ After scanning the finger vein patterns, place the same finger, then tap [Authentication Test]. If the authentication test has succeeded, tap [New]. If the authentication test has failed, retry scanning.



NOTICE

Do not place anything other than your finger on the scanning section during scanning operation. Otherwise, it may result in a malfunction.

Do not disconnect the USB cable from the authentication unit during scanning. Doing so may cause the system to become unstable.

6 Tap [Close] to finish the user information registration.

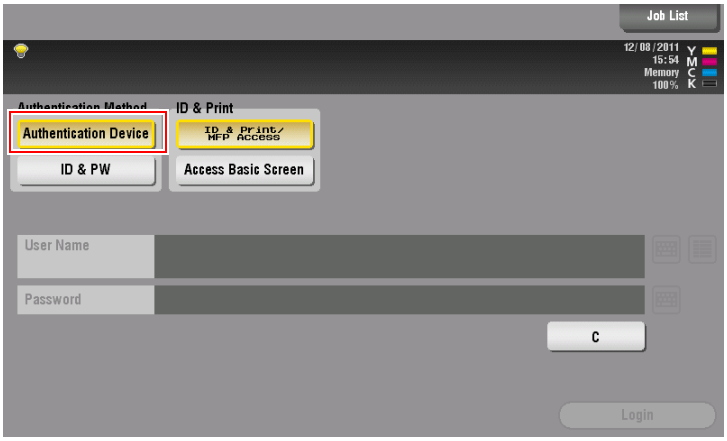
7.4 Logging in to This Machine

The login methods vary depending on the authentication settings of this machine.

- [1-to-many authentication] allows the user to log in by simply placing his or her finger on the authentication unit.
- [1-to-1 authentication] allows the user to log in by entering their user name and placing his or her finger on the authentication unit.

1 Check that [Authentication Device] is selected in [Authentication Method].

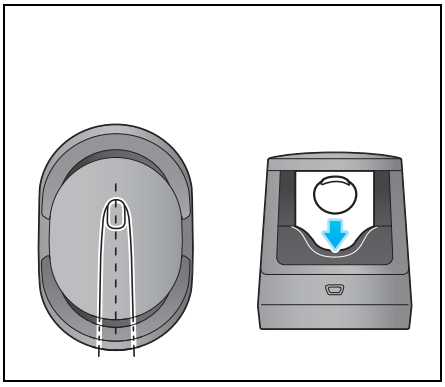
➔ If [1-to-1 authentication] is selected, enter the user name.



2 Place your finger on the authentication unit.

➔ Place your finger straight so that your finger cushion lightly touches the hollow and protuberance part of the scanning section.

Authentication starts. If authentication succeeds, you can log in to this machine.



Tips

- If authentication fails frequently, finger vein patterns may not be registered correctly. Register finger vein patterns again.

7.5 Using Data Administrator (for the Administrator)

7.5.1 Data Administrator

Data Administrator is a management tool to edit or register authentication information or address information of the target device through a computer on the network.

Using this tool allows you to import authentication information or address information from a device and rewrite it to the device after editing.

7.5.2 Setting Up the Operating Environment

Installing BioDriver (USB-Driver) (Windows 7)

To use **Data Administrator**, set up the operating environment after configuring authentication settings of this machine.

For setup, install the **BioDriver (USB-Driver)** of the authentication unit, then install **Data Administrator PlugIn for Biometric Authentication Unit AU-102**.

- ✔ Before setup, install **Data Administrator V4.1.15000** or later in your computer. For details on installation, refer to the relevant **Data Administrator** manual.
- ✔ To check the version of your **Data Administrator**, select the [Help] menu in **Data Administrator**, and also select [Version Information] - [Plug-in version].
- ✔ The latest **BioDriver (USB-Driver)** can be downloaded from our Web site.

1. Turn the **Main Power Switch** of this machine off, and disconnect the authentication unit from this machine.
2. Install **BioDriver (USB-Driver)**.

   ➔ Connect the authentication unit to the USB port of your computer.

   NOTICE

   When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

   Do not connect another USB device to the same port as for the authentication unit. Doing so reduces the USB power supply, resulting in an operation failure.

   To use the USB hub, connect the self-power USB hub that supplies 500 mA or more.
3. Open the [Devices and Printers] window.

   ➔ Open the [Control Panel], select [Hardware and Sound], and then click [View devices and printers]. When [Control Panel] is displayed in an icon view, double-click [Devices and Printers].
4. Right-click the device name or [Unknown Device] of the authentication unit displayed in the [Unspecified] category, then click [Properties].
5. In the [Hardware] tab, click [Properties].
6. In the [General] tab, click [Change settings].
7. In the [Driver] tab, click [Update Driver...].
8. In the screen in which to select how to search the driver software, click [Browse my computer for driver software].
9. Click [Browse...].
10. Select the BioDriver (USB-Driver) file in the computer, then click [OK].
11. Click [Next], and perform the procedure by following the on-screen instructions.

    ➔ If the [Windows Security] dialog box for verifying the publisher appears, click [Install this driver software anyway].

12 When the installation is complete, click [Close].

Then, install **Data Administrator PlugIn for Biometric Authentication Unit AU-102**. Refer to page 7-13.

Installing BioDriver (USB-Driver) (Windows Vista)

To use **Data Administrator**, set up the operating environment after configuring authentication settings of this machine.

For setup, install the **BioDriver (USB-Driver)** of the authentication unit, then install **Data Administrator PlugIn for Biometric Authentication Unit AU-102**.

- ✔ Before setup, install **Data Administrator V4.1.15000** or later in your computer. For details on installation, refer to the relevant **Data Administrator** manual.
- ✔ To check the version of your **Data Administrator**, select the [Help] menu in **Data Administrator**, and also select [Version Information] - [Plug-in version].
- ✔ The latest **BioDriver (USB-Driver)** can be downloaded from our Web site.

1 Turn the **Main Power Switch** of this machine off, and disconnect the authentication unit from this machine.

2 Install **BioDriver (USB-Driver)**.

➔ Connect the authentication unit to the USB port of your computer.

The [Found New Hardware] dialog box appears.

NOTICE

When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

Do not connect another USB device to the same port as for the authentication unit. Doing so reduces the USB power supply, resulting in an operation failure.

To use the USB hub, connect the self-power USB hub that supplies 500 mA or more.

3 Select [Locate and install driver software (recommended)].

4 Click [Browse my computer for driver software (advanced)].

5 Click [Browse...].

6 Select the BioDriver (USB-Driver) file in the computer, then click [OK].

7 Click [Next], and perform the procedure by following the on-screen instructions.

8 When the installation is complete, click [Close].

Then, install **Data Administrator PlugIn for Biometric Authentication Unit AU-102**. Refer to page 7-13.

Installing BioDriver (USB-Driver) (Windows XP)

To use **Data Administrator**, set up the operating environment after configuring authentication settings of this machine.

For setup, install the **BioDriver (USB-Driver)** of the authentication unit, then install **Data Administrator PlugIn for Biometric Authentication Unit AU-102**.

- ✔ Before setup, install **Data Administrator V4.1.15000** or later in your computer. For details about installation, refer to the relevant **Data Administrator** manual.
- ✔ To check the version of your **Data Administrator**, select the [Help] menu in **Data Administrator**, and also select [Version Information] - [Plug-in version].
- ✔ Administrator privileges are required to perform this task.
- ✔ The latest **BioDriver (USB-Driver)** can be downloaded from our Web site.

1 Turn the **Main Power Switch** of this machine off, and disconnect the authentication unit from this machine.

2 Connect the authentication unit to the USB port of your computer.

The [Found New Hardware Wizard] dialog box appears.

➔ If the [Windows connect to Windows Update] screen appears, select ["No, not this time"], then click [Next].

NOTICE

When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

Do not connect another USB device to the same port as for the authentication unit. Doing so reduces the USB power supply, resulting in an operation failure.

To use the USB hub, connect the self-power USB hub that supplies 500 mA or more.

3 Select [Install from a list or specific location (Advanced)], then click [Next].

4 Under [Search for the best driver in these locations.], select [Include this location in the search:], then click [Browse].

5 Select the BioDriver (USB-Driver) file in the computer, then click [OK].

6 Click [Next], and perform the procedure by following the on-screen instructions.

7 When the installation completes, click [Finish].

Then, install **Data Administrator PlugIn for Biometric Authentication Unit AU-102**. Refer to page 7-13.

Installing Data Administrator PlugIn for Biometric Authentication Unit AU-102

- ✔ The latest **Data Administrator PlugIn** can be downloaded from our Web site.

1 Click setup.exe of **Data Administrator PlugIn**.

2 When necessary, select the setup language, and click [OK].

3 Follow the on-screen instructions to proceed with the installation.

4 Click [Next].

5 Select [I accept the terms in the license agreement], and then click [Next].

6 Click [Install].

7 When the installation completes, click [Finish].

This completes the installation of **Data Administrator PlugIn for Biometric Authentication Unit AU-102**, which completes the setup.

7.5.3 Registering User Authentication Information

To register user authentication information with **Data Administrator**, connect the authentication unit to the USB port of the computer, and also connect the computer to this machine via network.

✔ To use **Data Administrator**, set up the operating environment in advance. For details about the setup procedure, refer to page 7-11.

1 Turn on the **Main Power Switch** of this machine.

2 Start **Data Administrator**, and import device information of this machine.

➔ Restart the procedure five or more seconds after connecting the authentication unit.

➔ For details about how to import device information, refer to the relevant **Data Administrator** manual.

3 In [Function selection], select [Authentication settings] - [User authentication settings], and then click [Add].

4 Select a user template, and click [OK].

➔ For details about templates, refer to the relevant **Data Administrator** manual.

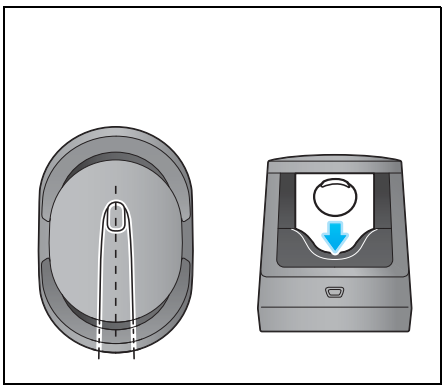
The User Registration screen appears.

5 Enter the user name and password, select the [AU-102] tab, then click [Register Auth. Info].

➔ Up to two authentication information items can be registered for each user. For [Location of registration1] and [Location of registration2], register separate fingers. You should register two authentication information items in case you injure your finger.

6 Place your finger on the authentication unit to scan the finger vein pattern.

➔ Place your finger straight so that your finger cushion lightly touches the hollow and protuberance part of the scanning section.



➔ Scan a finger vein pattern three times. Place the same finger on the authentication unit again after scanning just once, and press [Start Reading].

➔ After scanning the finger vein patterns, place the same finger, then click [Authentication Test]. If the authentication test has succeeded, click [Register]. If the authentication test has failed, click [Reset] to repeat the scanning process.

7 Click [OK], and register authentication information of the next user.

8 After the registration of authentication information has been completed for all users, click [Export to the device].

➔ When necessary, select a user name, and click [Edit] to change registered information.

9 Click [Write].

➔ **Data Administrator** supports the batch copy function. When necessary, you can collectively write the registered authentication information to multiple devices.

10 When writing to this machine has finished, click [OK].

11 Disconnect the authentication unit from the USB port of the computer.

NOTICE

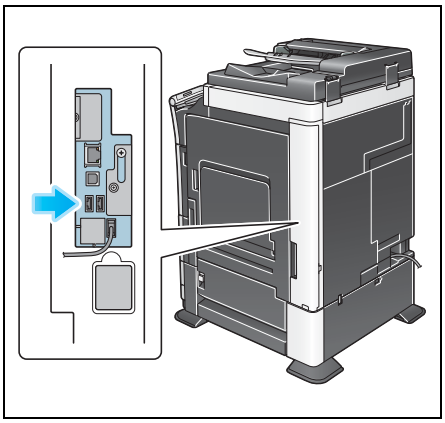
When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

12 Restart this machine.

NOTICE

*When restarting this machine, turn the **Main Power Switch** off and on again after 10 or more seconds have passed. Not doing so may cause an operation failure.*

13 Connect the authentication unit to the **USB Port** of this machine.



NOTICE

When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

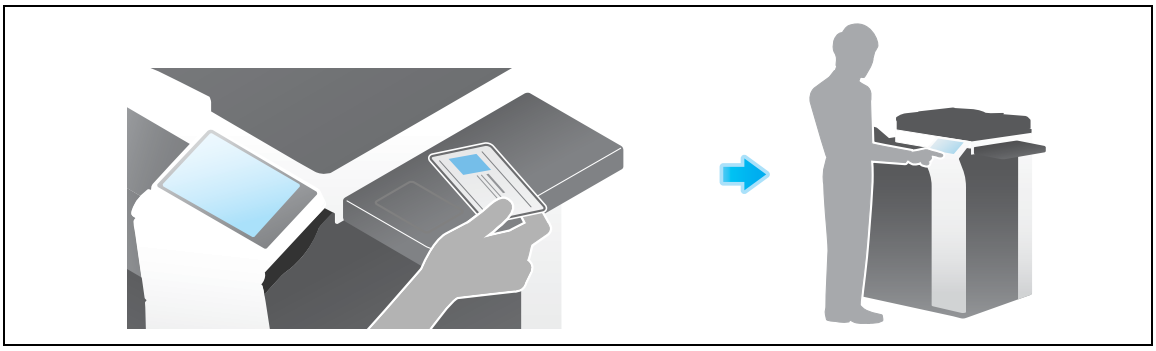
8 Using the Authentication Unit (IC Card Type)

8 Using the Authentication Unit (IC Card Type)

8.1 Authentication Unit (IC Card Type)

The **Authentication Unit** (IC card type) is an "IC card authentication" system that reads the IC card to perform personal authentication. If you register a compatible noncontact IC card such as an employee ID card, you can use this machine synchronously with functions such as the user entering-leaving management to integrate the authentication system.

If this machine provides the user authentication, you can log in to this machine or execute a print job using the IC card authentication function.



NOTICE

Authentication Unit *(IC card type) must be installed inside the* ***Working Table*** *or* ***Mount Kit MK-735****.*

Upgrade Kit UK-204 *or* ***i-Option LK-101 v3*** *is required to use the* ***Authentication Unit*** *(IC card type).*

Reference

For details on the user authentication, refer to [User's Guide: Web Management Tool].

8.2 Operations Required to Use This Function (for the Administrator)

8.2.1 Configuring Authentication Settings of This Machine

This section explains an example of setting General Settings to [ON (MFP)].

Reference

*You can also configure settings so that authentication is performed in the LDAP server using the card ID registered in the authentication card (LDAP-IC Card Authentication). How to configure the setting is explained using **Web Connection**. For details, refer to [User's Guide: Web Management Tool].*

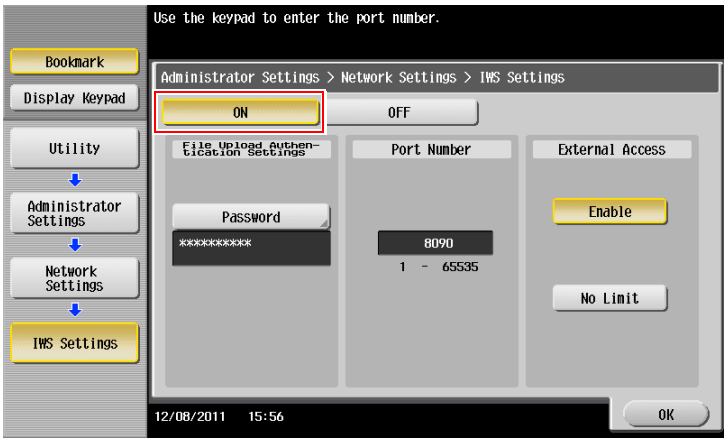
First, configure the authentication function of this machine (ON (MFP)).

✔ To configure authentication settings, a service representative must enable IWS (Internal Web Server) settings in advance. For details, contact your service representative.

1 Tap [Utility] - [Administrator Settings] - [Network Settings] - [IWS Settings].

2 Select [ON], then tap [OK].

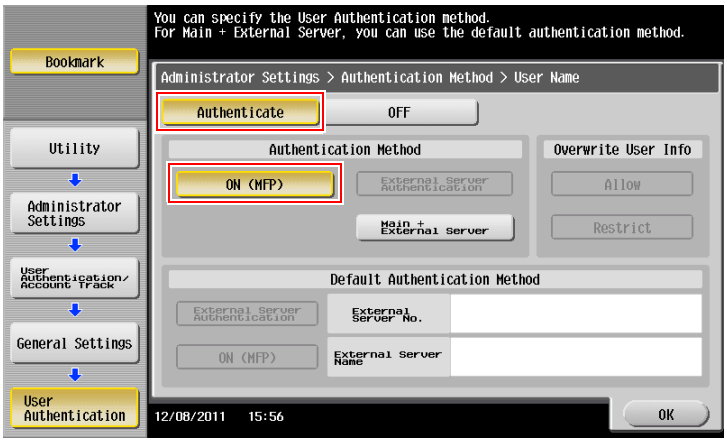
➔ Restart this machine by following the on-screen instructions.

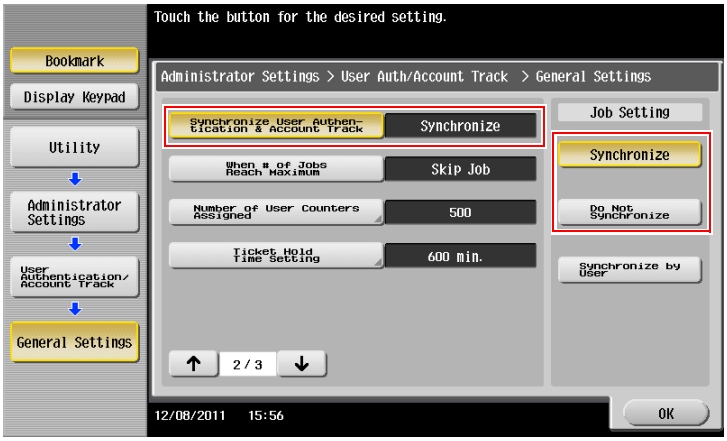


3 Tap [Utility] - [Administrator Settings] - [User Authentication/Account Track] - [General Settings] - [User Authentication].

4 Set [General Settings] to [ON (MFP)], then tap [OK].

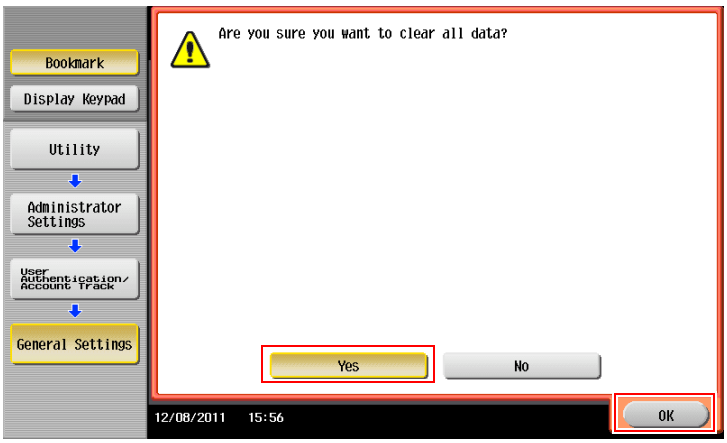
➔ When combining account track settings, press [Utility] - [Administrator Settings] - [User Authentication/Account Track] - [General Settings], and set [Synchronize User Authentication & Account Track] to [Synchronize]. When separately managing the user authentication and account track, set to [Do Not Synchronize].



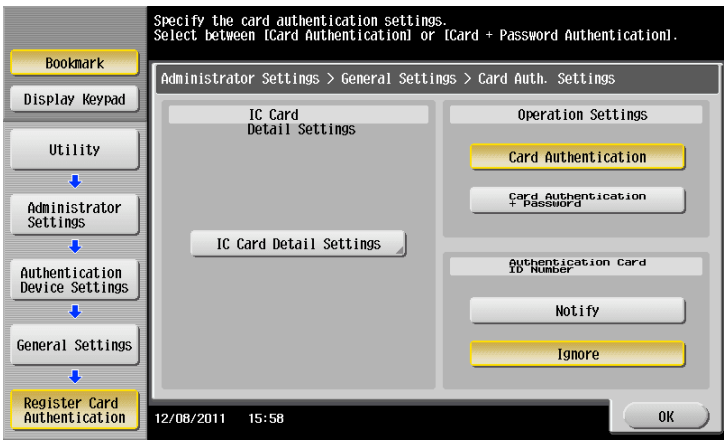


5 Tap [OK].

6 Select [Yes], then tap [OK].



7 Tap [Authentication Device Settings] - [General Settings] - [Card Authentication], and configure the following setting.



Settings	Description
[IC Card Detail Settings]	Press this button to change setting information of the loadable driver for the registered IC cards on the Web browser of this machine. For details on the setting procedure, refer to [User's Guide: Advanced Function Operations].

Settings	Description
[Operation Settings]	Select how to log in to this machine. • [Card Authentication]: Pass the IC card over the authentication unit to log in. • [Card Authentication + Password]: Pass the IC card over the authentication unit, and enter the password to log in. [Card Authentication] is specified by default.
[Authentication Card ID Number]	Select whether to notify the counter, which collects the use status of this machine, of the authentication card ID. [Ignore] is specified by default.

8 Tap [OK].

9 If desired, tap [Logoff Settings] to configure automatic logout settings.

➔ Select whether to automatically log out when original scanning has been completed (default: [Do not log off]).

10 Tap [Close] to exit the authentication settings of this machine.

8.2.2 Registering User Authentication Information

After the authentication function of this machine (ON (MFP)) has been configured, register user authentication information.

The following two methods are available to register information.

- Connect the authentication unit to this machine, and use the **Touch Panel** to register information.
- Connect the authentication unit to a computer, and use **Data Administrator** through a computer to register information.

This section explains how to connect the authentication unit to this machine and use the **Touch Panel** to register information. For how to use **Data Administrator** for registration, refer to page 8-13.

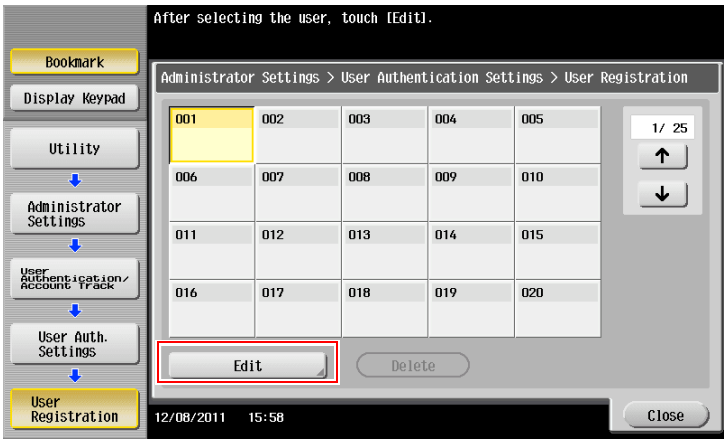
NOTICE

User information is stored in the hard disk of this machine. If any changes are made to the general settings of this machine or to the way the hard disk is formatted, the registered user information is erased.

✔ Before starting this procedure, connect the authentication unit to this machine.

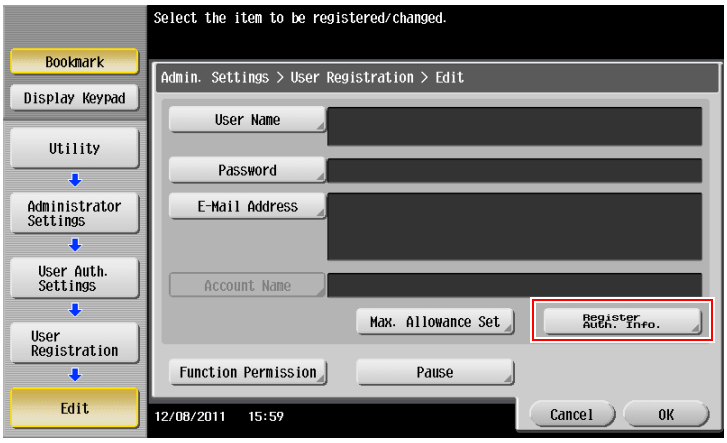
1 Tap [Utility] - [Administrator Settings] - [User Authentication/Account Track] - [User Authentication Settings] - [User Registration].

2 Select a desired registration number, then tap [Edit].

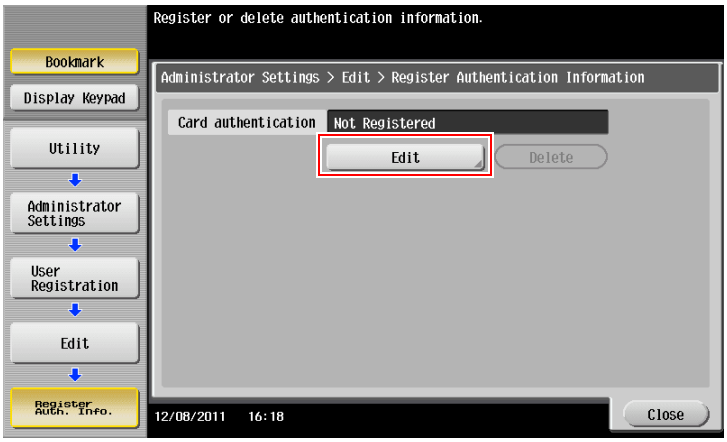


3 Enter the user name and password, and tap [Register Auth. Info.].

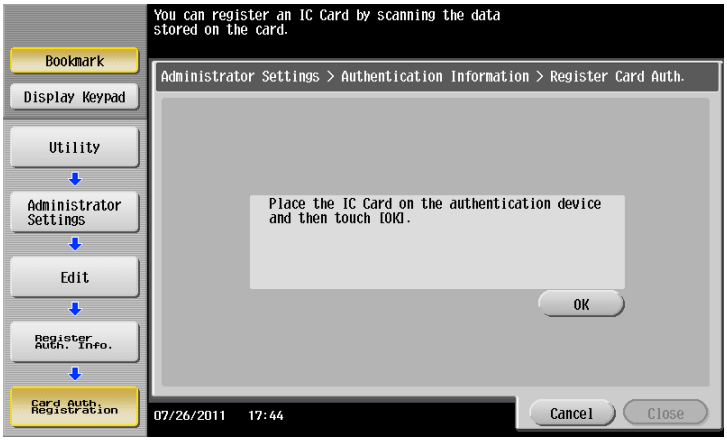
➔ To restrict functions applicable to users, select Function Permission.



4 Tap [Edit].



5 Pass or place the IC card over or on the authentication unit, then tap [OK].



NOTICE

During scanning, do not leave the IC card close within 1-9/16 inches (40 mm) from the card reader.

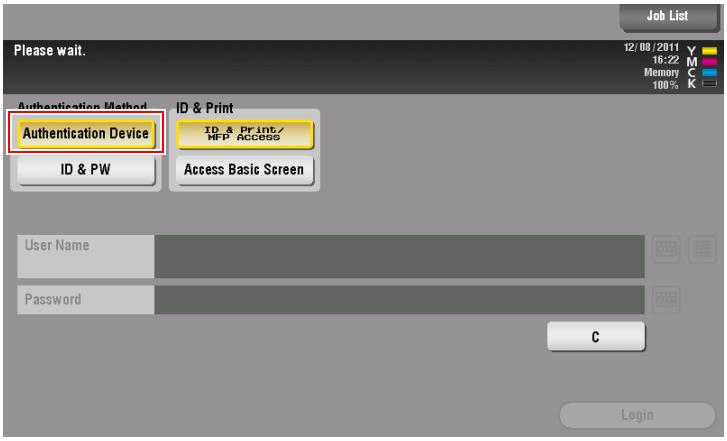
6 When [Registration complete.] appears, tap [Close] to finish the user information registration.

8.3 Logging in to This Machine

The login methods vary depending on the authentication settings of this machine.

- In [Card Authentication], you can login by simply passing or placing the IC card over or on the authentication unit.
- For [Card Authentication + Password], you can login by passing or placing the IC card over or on the authentication unit and entering the password.

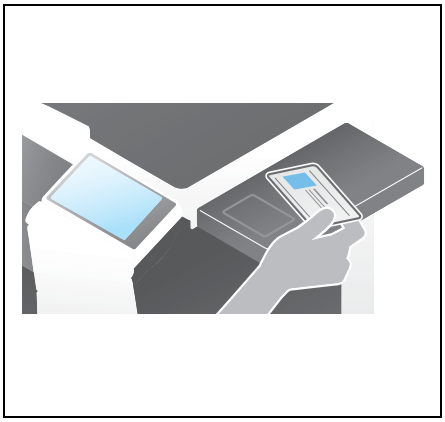
1 Check that [Authentication Device] is selected in [Authentication Method].



2 Pass or place the IC card over or on the authentication unit.

➔ For [Card Authentication + Password], enter the password, and tap [Login].

Authentication starts. If authentication succeeds, you can log in to this machine.



Tips

- If authentication fails frequently, IC card information may not be registered properly. Register IC card information again.

8.4 Using Data Administrator (for the Administrator)

8.4.1 Data Administrator

Data Administrator is a management tool to edit or register authentication information or address information of the target device through a computer on the network.

Using this tool allows you to import authentication information or address information from a device and rewrite it to the device after editing.

8.4.2 Setting Up the Operating Environment

Installing IC CardDriver (USB-Driver) (Windows 7)

To use **Data Administrator**, set up the operating environment after configuring authentication settings of this machine.

For setup, install the **IC CardDriver (USB-Driver)** of the authentication unit, then install **Data Administrator PlugIn for IC Card Authentication Unit AU-201**.

- ✔ Before setup, install **Data Administrator V4.1.15000** or later in your computer. For details on installation, refer to the relevant **Data Administrator** manual.
- ✔ To check the version of your **Data Administrator**, select the [Help] menu in **Data Administrator**, and also select [Version Information] - [Plug-in version].
- ✔ The latest **IC CardDriver (USB-Driver)** can be downloaded from our Web site.

1. Turn the **Main Power Switch** of this machine off, and disconnect the authentication unit from this machine.

2. Install **IC CardDriver (USB-Driver)**.

   ➔ Connect the authentication unit to the USB port of your computer.

   NOTICE

   When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

   Do not connect another USB device to the same port as for the authentication unit. Doing so reduces the USB power supply, resulting in an operation failure.

   To use the USB hub, connect the self-power USB hub that supplies 500 mA or more.

3. Open the [Devices and Printers] window.

   ➔ Open the [Control Panel], select [Hardware and Sound], and then click [View devices and printers]. When [Control Panel] is displayed in an icon view, double-click [Devices and Printers].

4. Right-click the device name or [Unknown Device] of the authentication unit displayed in the [Unspecified] category, then click [Properties].

5. In the [Hardware] tab, click [Properties].

6. In the [General] tab, click [Change settings].

7. In the [Driver] tab, click [Update Driver...].

8. In the screen in which to select how to search the driver software, click [Browse my computer for driver software].

9. Click [Browse...].

10. Select the IC CardDriver (USB-Driver) file in the computer, then click [OK].

11. Click [Next], and perform the procedure by following the on-screen instructions.

    ➔ If the [Windows Security] dialog box for verifying the publisher appears, click [Install this driver software anyway].

12 When the installation is complete, click [Close].

Then, install **Data Administrator PlugIn for IC Card Authentication Unit AU-201**. Refer to page 8-12.

Installing IC CardDriver (USB-Driver) (Windows Vista)

To use **Data Administrator**, set up the operating environment after configuring authentication settings of this machine.

For setup, install the **IC CardDriver (USB-Driver)** of the authentication unit, then install **Data Administrator PlugIn for IC Card Authentication Unit AU-201**.

✔ Before setup, install **Data Administrator V4.1.15000** or later in your computer. For details about installation, refer to the relevant **Data Administrator** manual.

✔ To check the version of your **Data Administrator**, select the [Help] menu in **Data Administrator**, and also select [Version Information] - [Plug-in version].

✔ The latest **IC CardDriver (USB-Driver)** can be downloaded from our Web site.

1 Turn the **Main Power Switch** of this machine off, and disconnect the authentication unit from this machine.

2 Install **IC CardDriver (USB-Driver)**.

➔ Connect the authentication unit to the USB port of your computer.

The [Found New Hardware] dialog box appears.

NOTICE

When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

Do not connect another USB device to the same port as for the authentication unit. Doing so reduces the USB power supply, resulting in an operation failure.

To use the USB hub, connect the self-power USB hub that supplies 500 mA or more.

3 Select [Locate and install driver software (recommended)].

4 Click [Browse my computer for driver software (advanced)].

5 Click [Browse...].

6 Select the IC CardDriver (USB-Driver) file in the computer, then click [OK].

7 Click [Next], and perform the procedure by following the on-screen instructions.

➔ If the [Windows Security] dialog box for verifying the publisher appears, click [Install this driver software anyway].

8 When the installation is complete, click [Close].

Then, install **Data Administrator PlugIn for IC Card Authentication Unit AU-201**. Refer to page 8-12.

Installing IC CardDriver (USB-Driver) (Windows XP)

To use **Data Administrator**, set up the operating environment after configuring authentication settings of this machine.

For setup, install the **IC CardDriver (USB-Driver)** of the authentication unit, then install **Data Administrator PlugIn for IC Card Authentication Unit AU-201**.

- ✔ Before setup, install **Data Administrator V4.1.15000** or later in your computer. For details about installation, refer to the relevant **Data Administrator** manual.
- ✔ To check the version of your **Data Administrator**, select the [Help] menu in **Data Administrator**, and also select [Version Information] - [Plug-in version].
- ✔ Administrator privileges are required to perform this task.
- ✔ The latest **IC CardDriver (USB-Driver)** can be downloaded from our Web site.

1 Turn the **Main Power Switch** of this machine off, and disconnect the authentication unit from this machine.

2 Connect the authentication unit to the USB port of your computer.

The [Found New Hardware Wizard] dialog box appears.

➔ If the [Windows connect to Windows Update] screen appears, select [No, not this time], then click [Next].

NOTICE

When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

Do not connect another USB device to the same port as for the authentication unit. Doing so reduces the USB power supply, resulting in an operation failure.

To use the USB hub, connect the self-power USB hub that supplies 500 mA or more.

3 Select [Install from a list or specific location (Advanced)], then click [Next].

4 Under [Search for the best driver in these locations.], select [Include this location in the search:], then click [Browse].

5 Select the IC CardDriver (USB-Driver) file in the computer, then click [OK].

6 Click [Next], and perform the procedure by following the on-screen instructions.

7 When the installation completes, click [Finish].

Then, install **Data Administrator PlugIn for IC Card Authentication Unit AU-201**. Refer to page 8-12.

Installing Data Administrator PlugIn for IC Card Authentication Unit AU-201

- ✔ The latest **Data Administrator PlugIn** can be downloaded from our Web site.

1 Click setup.exe of **Data Administrator PlugIn**.

2 When necessary, select the setup language, and click [OK].

3 Follow the on-screen instructions to proceed with the installation.

4 Click [Next].

5 Select [I accept the terms in the license agreement], and then click [Next].

6 Click [Install].

7 When the installation is complete, click [Finish].

This completes the installation of **Data Administrator PlugIn for IC Card Authentication Unit AU-201**, which completes the setup.

8.4.3 Registering User Authentication Information

To register user authentication information with **Data Administrator**, connect the authentication unit to the USB port of the computer, and also connect the computer to this machine via network.

✔ To use **Data Administrator**, set up the operating environment in advance. For details about the setup procedure, refer to page 8-10.

1 Turn on the **Main Power Switch** of this machine.

2 Start **Data Administrator**, and import device information of this machine.

➔ Restart the procedure five or more seconds after connecting the authentication unit.

➔ For details about how to import device information, refer to the relevant **Data Administrator** manual.

3 In [Function selection], select [Authentication settings] - [User authentication settings], and then click [Add].

4 Select a user template, and click [OK].

➔ For details about templates, refer to the relevant **Data Administrator** manual.

The User Registration screen appears.

5 Enter the user name and password, and select the [IC card authentication] tab.

6 Place the IC card on the authentication unit, then click [Start reading].

➔ If necessary, click [Card ID Input] to register the card ID.

7 Click [OK], and register authentication information of the next user.

8 After the registration of authentication information has been completed for all users, click [Export to the device].

➔ When necessary, select a user name, and click [Edit] to change registered information.

9 Click [Write].

➔ **Data Administrator** supports the batch copy function. When necessary, you can collectively write the registered authentication information to multiple devices.

10 When writing to this machine has finished, click [OK].

11 Disconnect the authentication unit from the USB port of the computer.

NOTICE

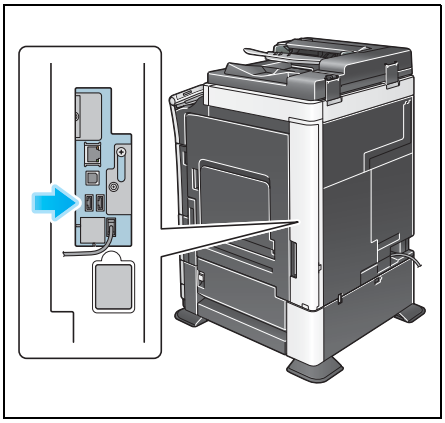
When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

12 Restart this machine.

NOTICE

*When restarting this machine, turn the **Main Power Switch** off and on again after 10 or more seconds have passed. Not doing so may cause an operation failure.*

13 Connect the authentication unit to the **USB port** of this machine.



NOTICE

When connecting or disconnecting the USB cable, hold the plug. Otherwise, the machine may be damaged or a failure may occur.

DIRECTIVE 2002/96/EC ON THE TREATMENT, COLLECTION, RECYCLING AND DISPOSAL OF ELECTRIC AND ELECTRONIC DEVICES AND THEIR COMPONENTS

INFORMATION

1. FOR COUNTRIES IN THE EUROPEAN UNION (EU)

The disposal of electric and electronic devices as solid urban waste is strictly prohibited: it must be collected separately.

The dumping of these devices at unequipped and unauthorized places may have hazardous effects on health and the environment.
Offenders will be subjected to the penalties and measures laid down by the law.

TO DISPOSE OF OUR DEVICES CORRECTLY:

a) Contact the Local Authorities, who will give you the practical information you need and the instructions for handling the waste correctly, for example: location and times of the waste collection centres, etc.

b) When you purchase a new device of ours, give a used device similar to the one purchased to our dealer for disposal.

The crossed dustbin symbol on the device means that:

- when it to be disposed of, the device is to be taken to the equipped waste collection centres and is to be handled separately from urban waste;
- The producer guarantees the activation of the treatment, collection, recycling and disposal procedures in accordance with Directive 2002/96/EC (and subsequent amendments).

2. FOR OTHER COUNTRIES (NOT IN THE EU)

The treatment, collection, recycling and disposal of electric and electronic devices will be carried out in accordance with the laws in force in the country in question.